OIPE JC145
MAY 16 2005
PATENT & TRADEMARK OFFICE

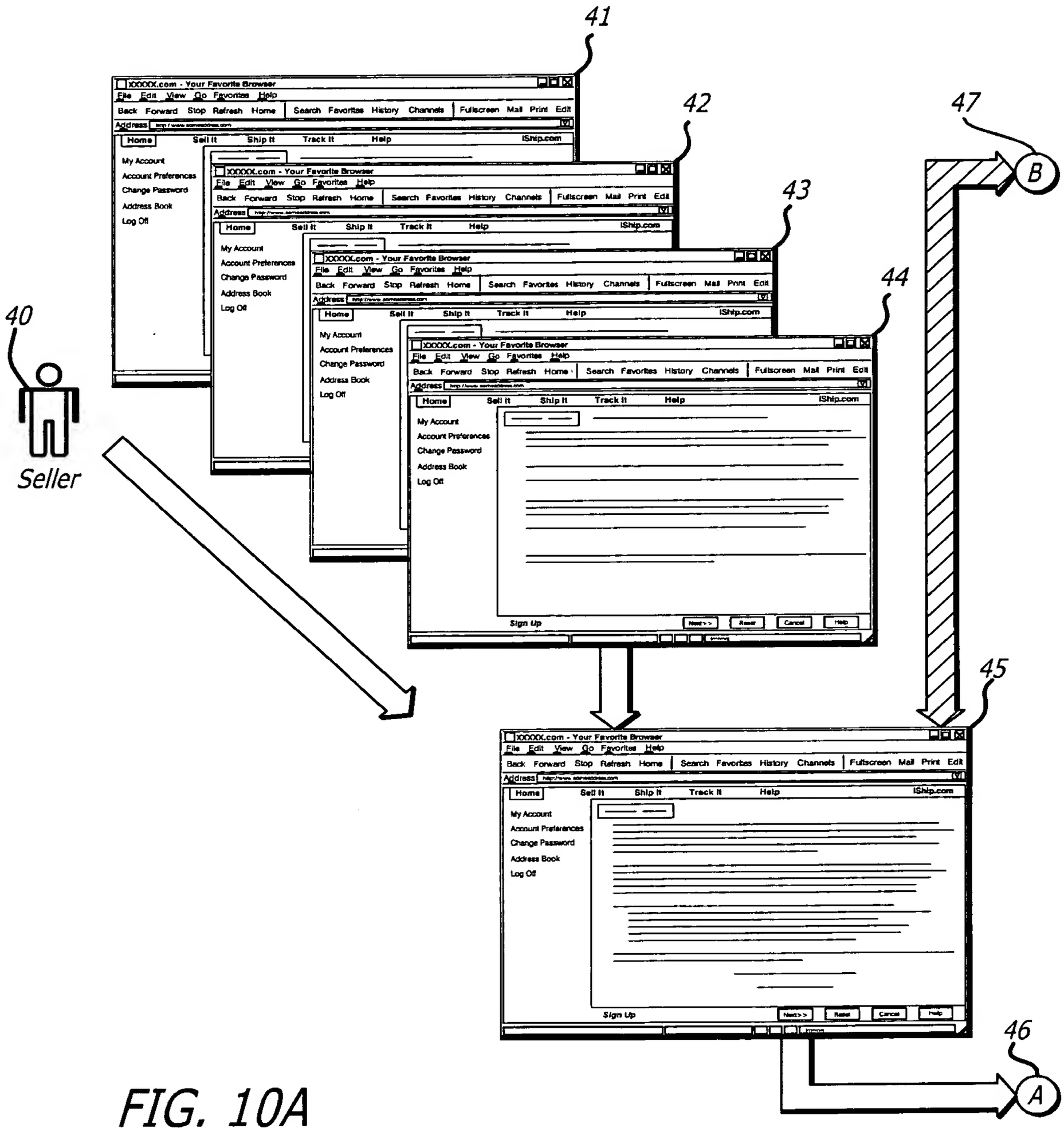


FIG. 10A

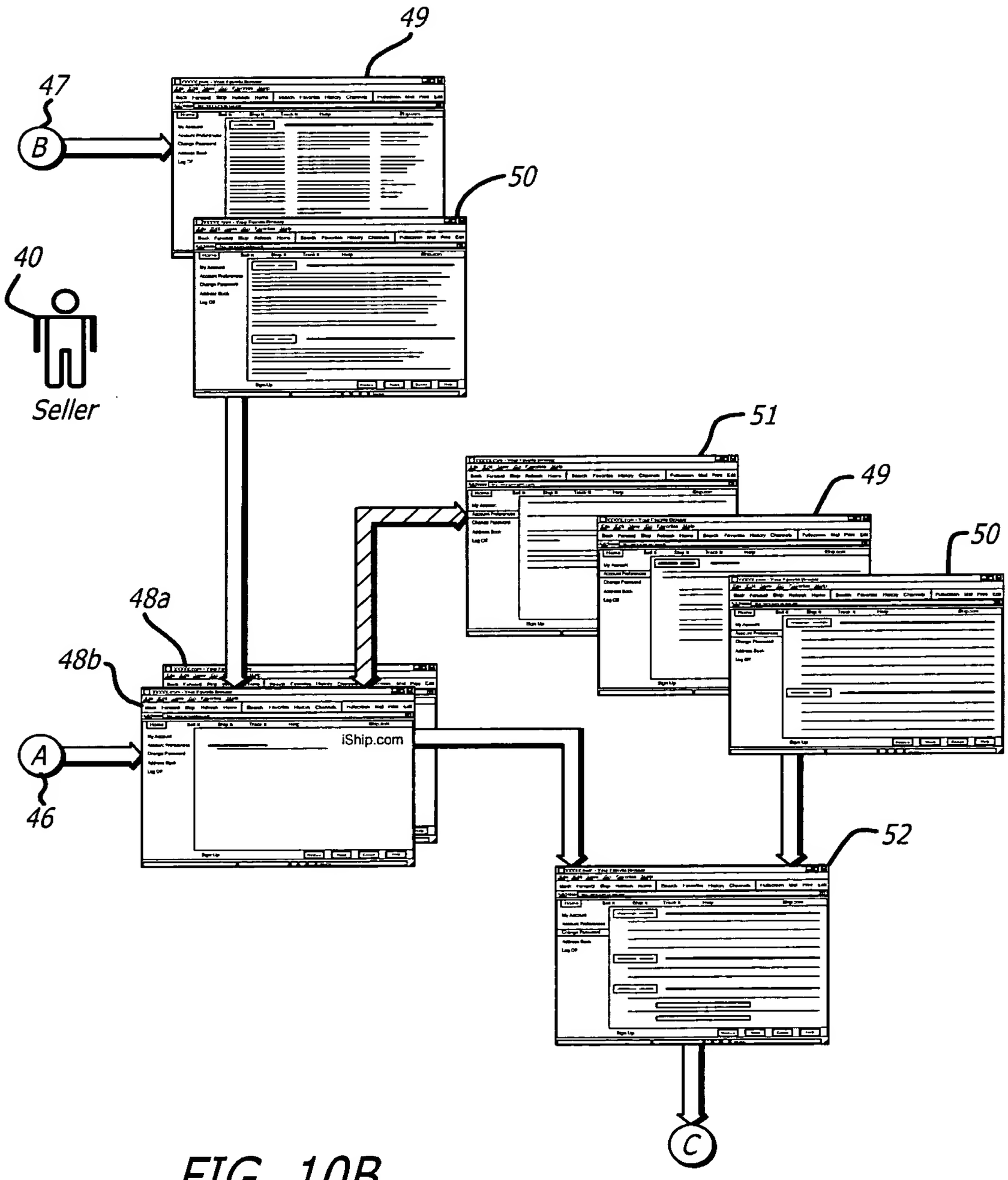


FIG. 10B

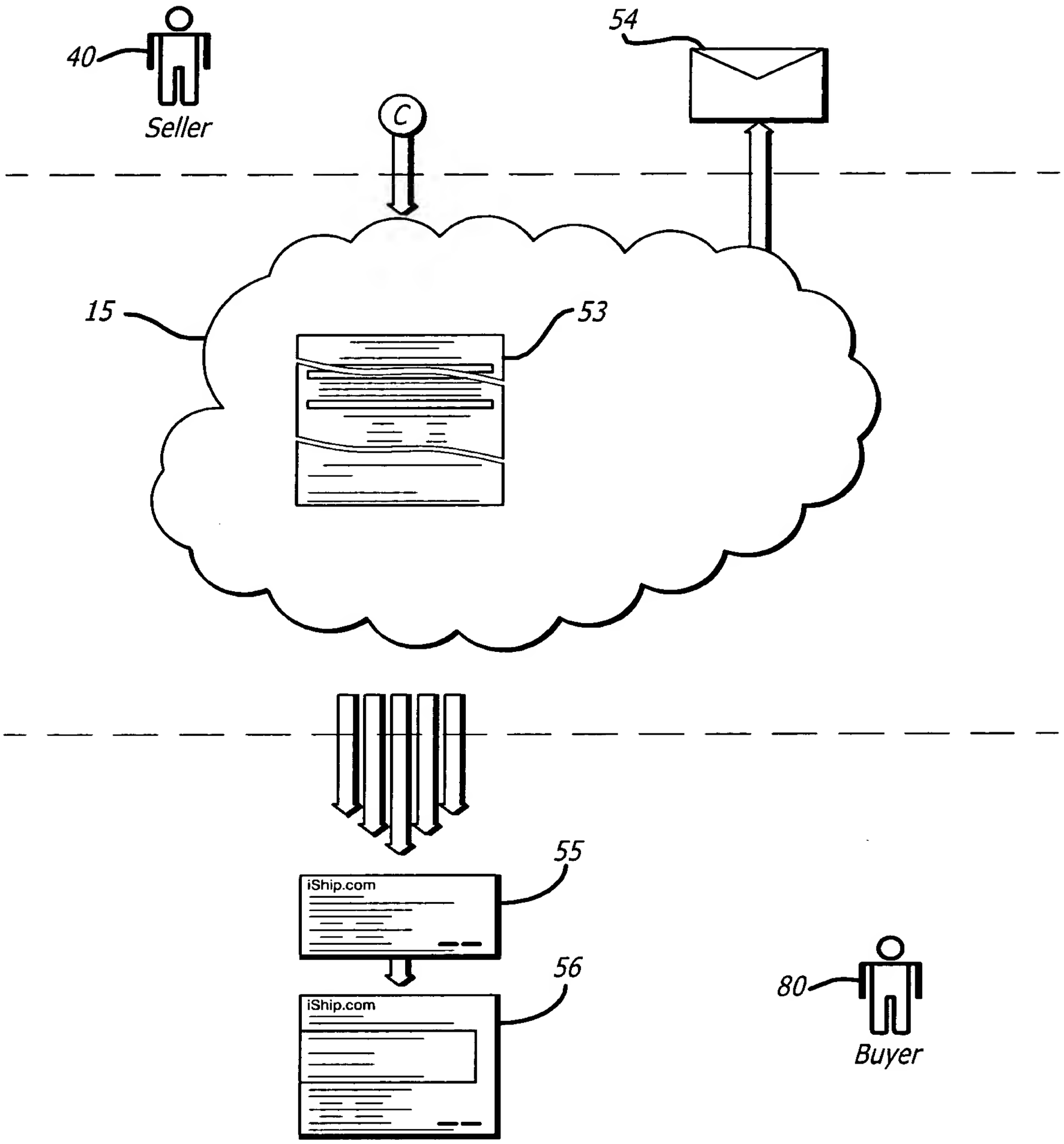


FIG. 10C

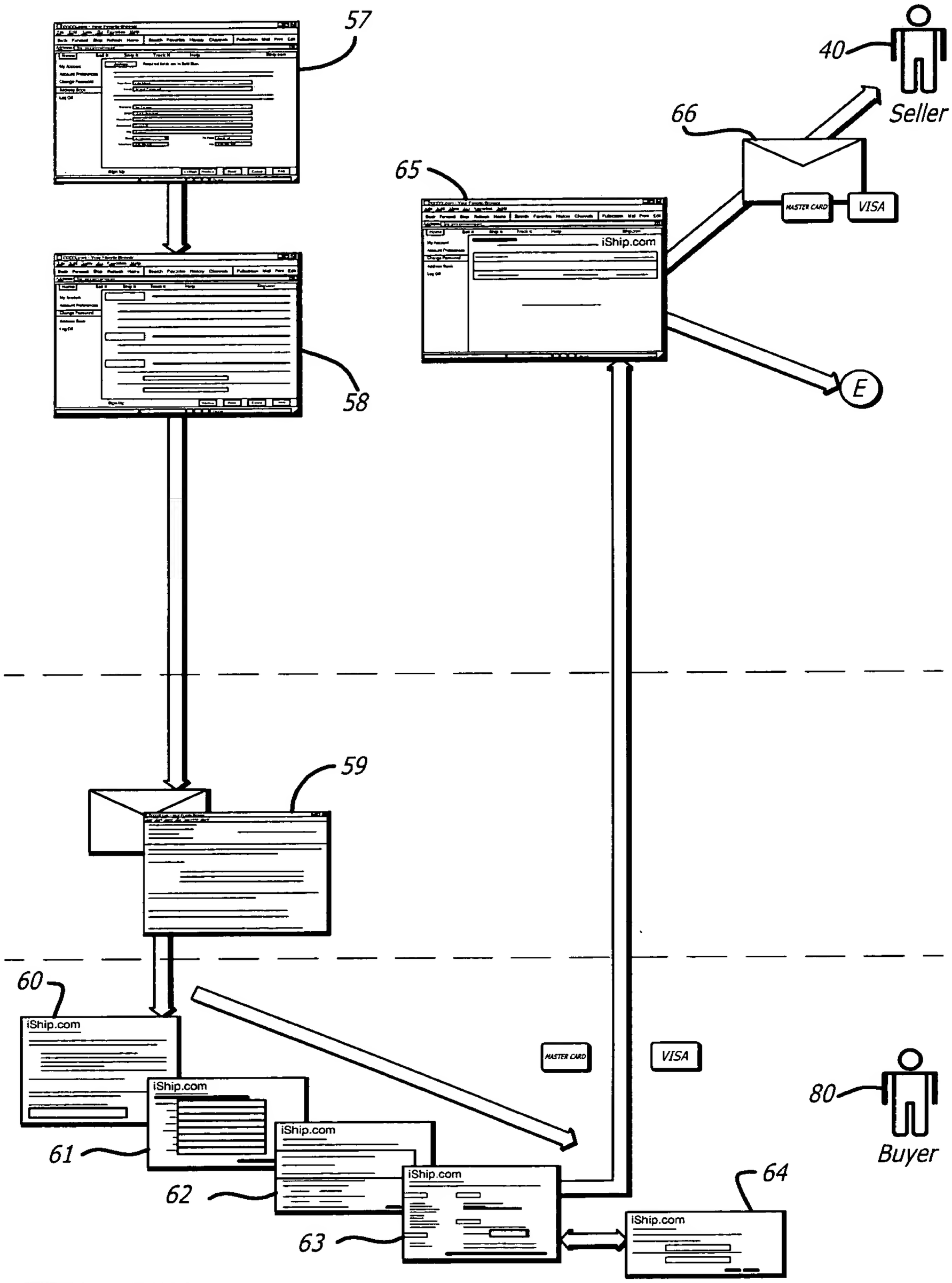
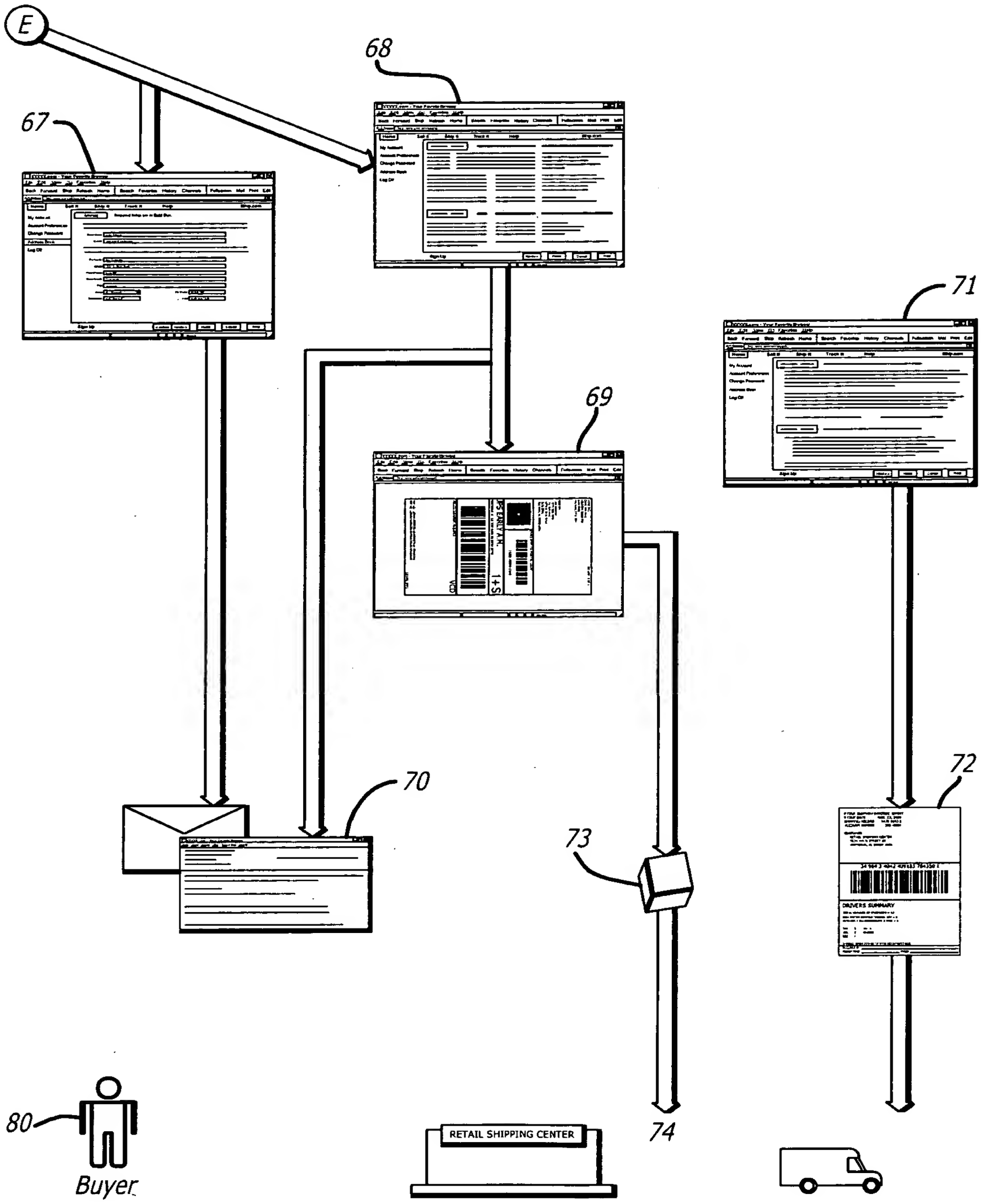

57
58
59
60
61
62
63
64
65
66
40
Seller
iShip.com
MASTER CARD
VISA
E
80
Buyer

FIG. 10D

FIG. 10E


E
67
68
69
70
71
72
73
74
80
Buyer
RETAIL SHIPPING CENTER
DRIVERS SUMMARY

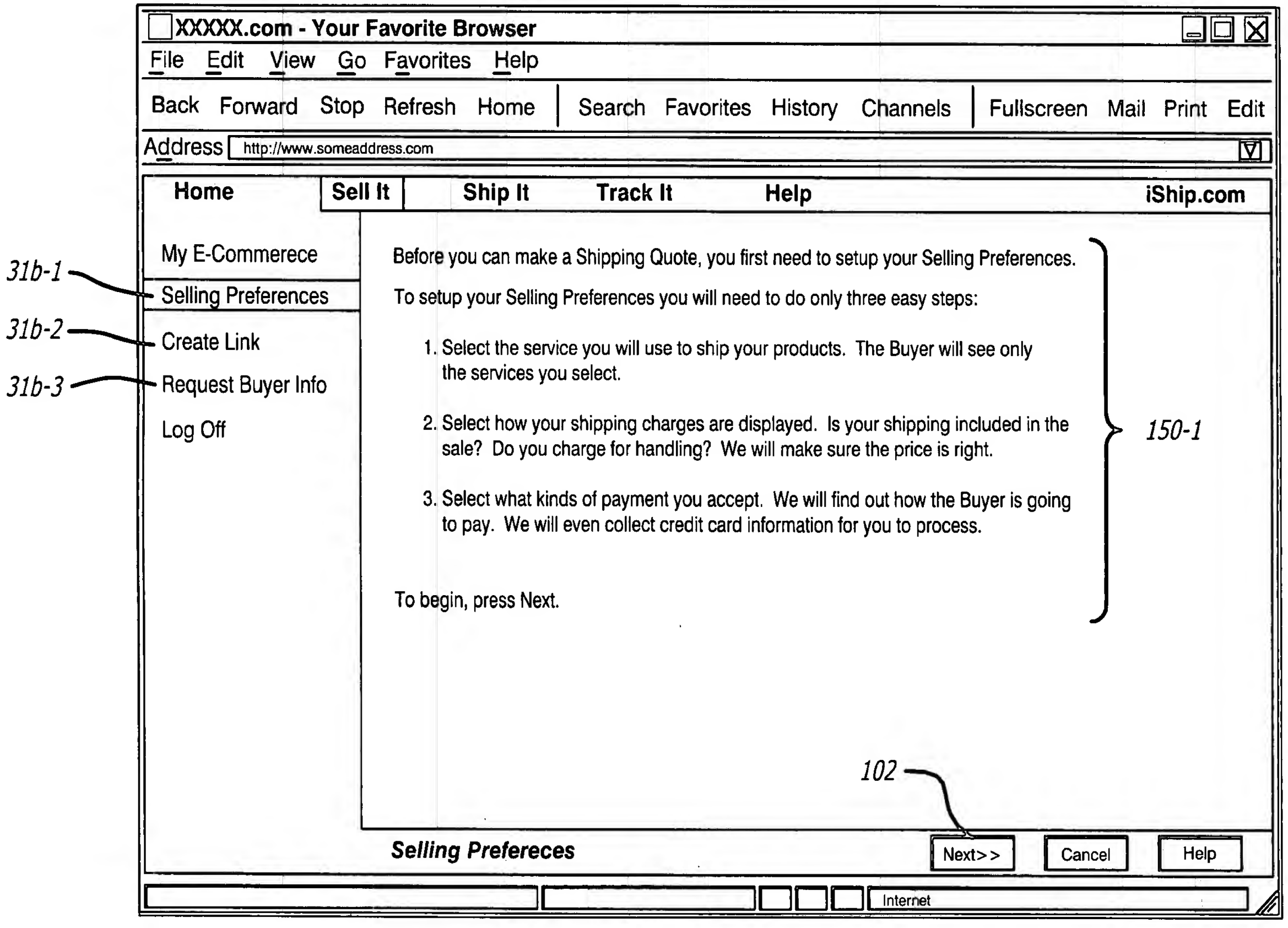


FIG. 24

Replacement Sheet

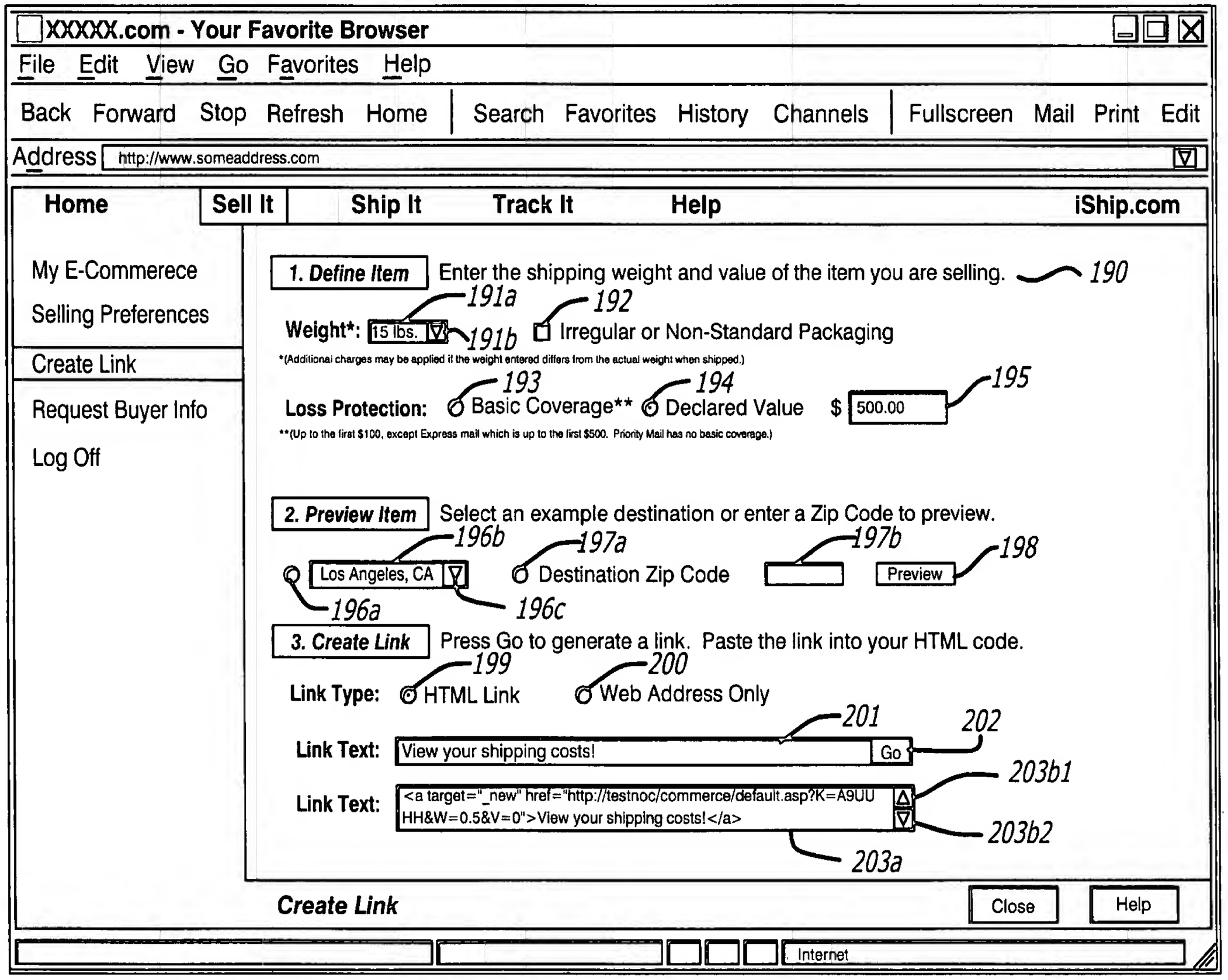


FIG. 25

Replacement Sheet

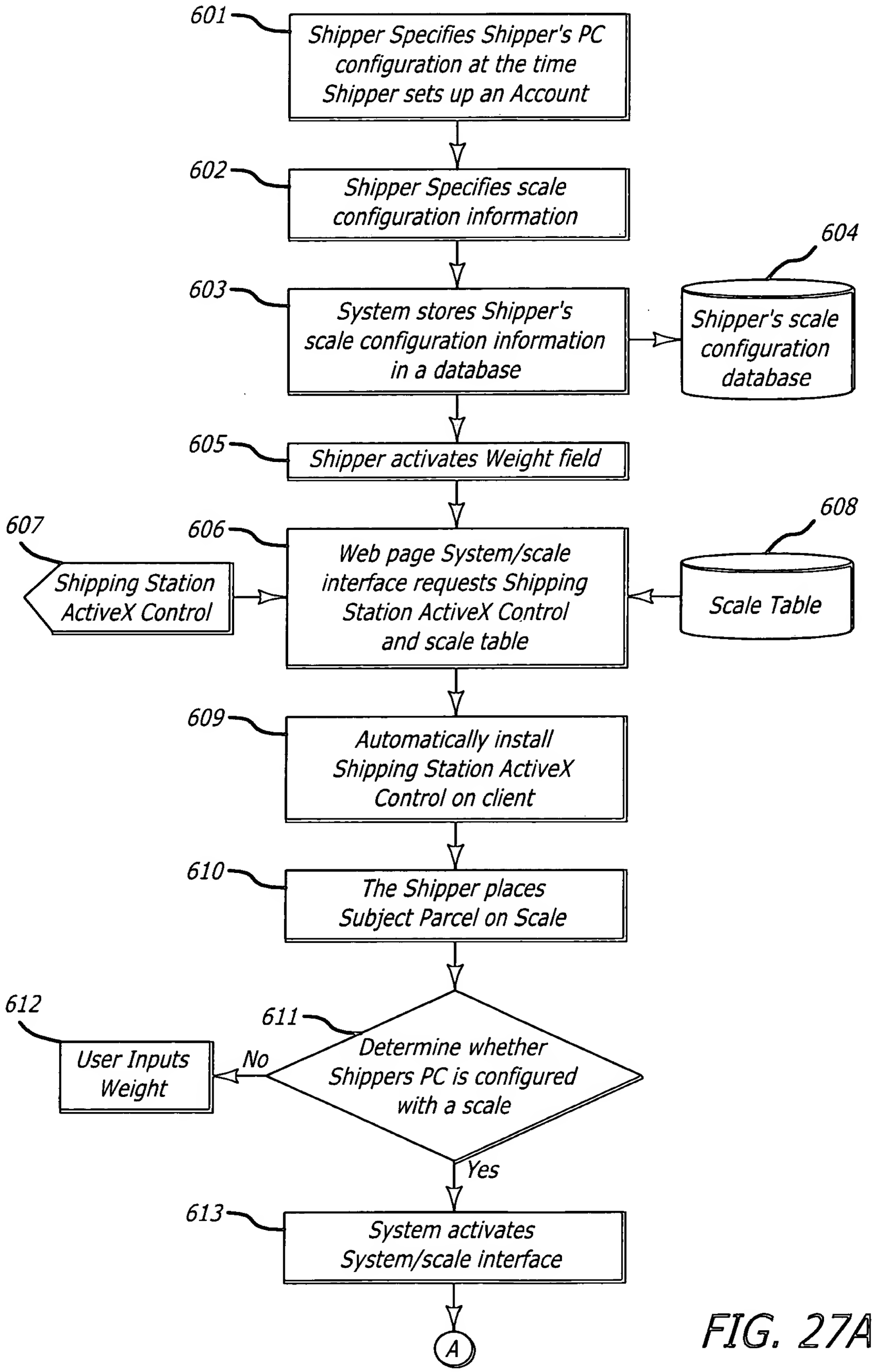

601
Shipper Specifies Shipper's PC configuration at the time Shipper sets up an Account
602
Shipper Specifies scale configuration information
603
System stores Shipper's scale configuration information in a database
604
Shipper's scale configuration database
605
Shipper activates Weight field
606
Web page System/scale interface requests Shipping Station ActiveX Control and scale table
607
Shipping Station ActiveX Control
608
Scale Table
609
Automatically install Shipping Station ActiveX Control on client
610
The Shipper places Subject Parcel on Scale
611
Determine whether Shippers PC is configured with a scale
No
612
User Inputs Weight
Yes
613
System activates System/scale interface
A

FIG. 27A

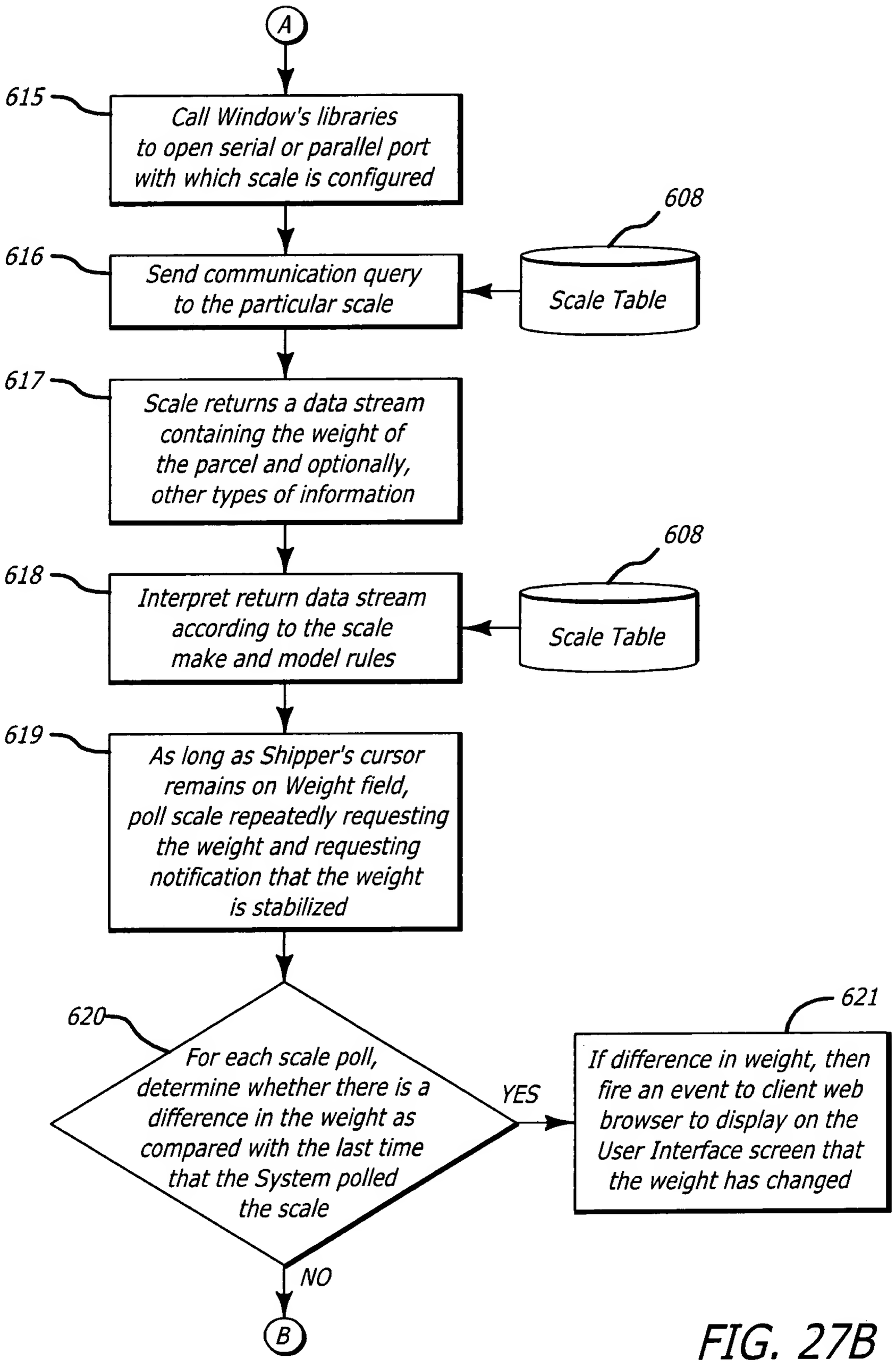

A
615
Call Window's libraries to open serial or parallel port with which scale is configured
608
616
Send communication query to the particular scale
Scale Table
617
Scale returns a data stream containing the weight of the parcel and optionally, other types of information
608
618
Interpret return data stream according to the scale make and model rules
Scale Table
619
As long as Shipper's cursor remains on Weight field, poll scale repeatedly requesting the weight and requesting notification that the weight is stabilized
620
For each scale poll, determine whether there is a difference in the weight as compared with the last time that the System polled the scale
YES
621
If difference in weight, then fire an event to client web browser to display on the User Interface screen that the weight has changed
NO
B

FIG. 27B

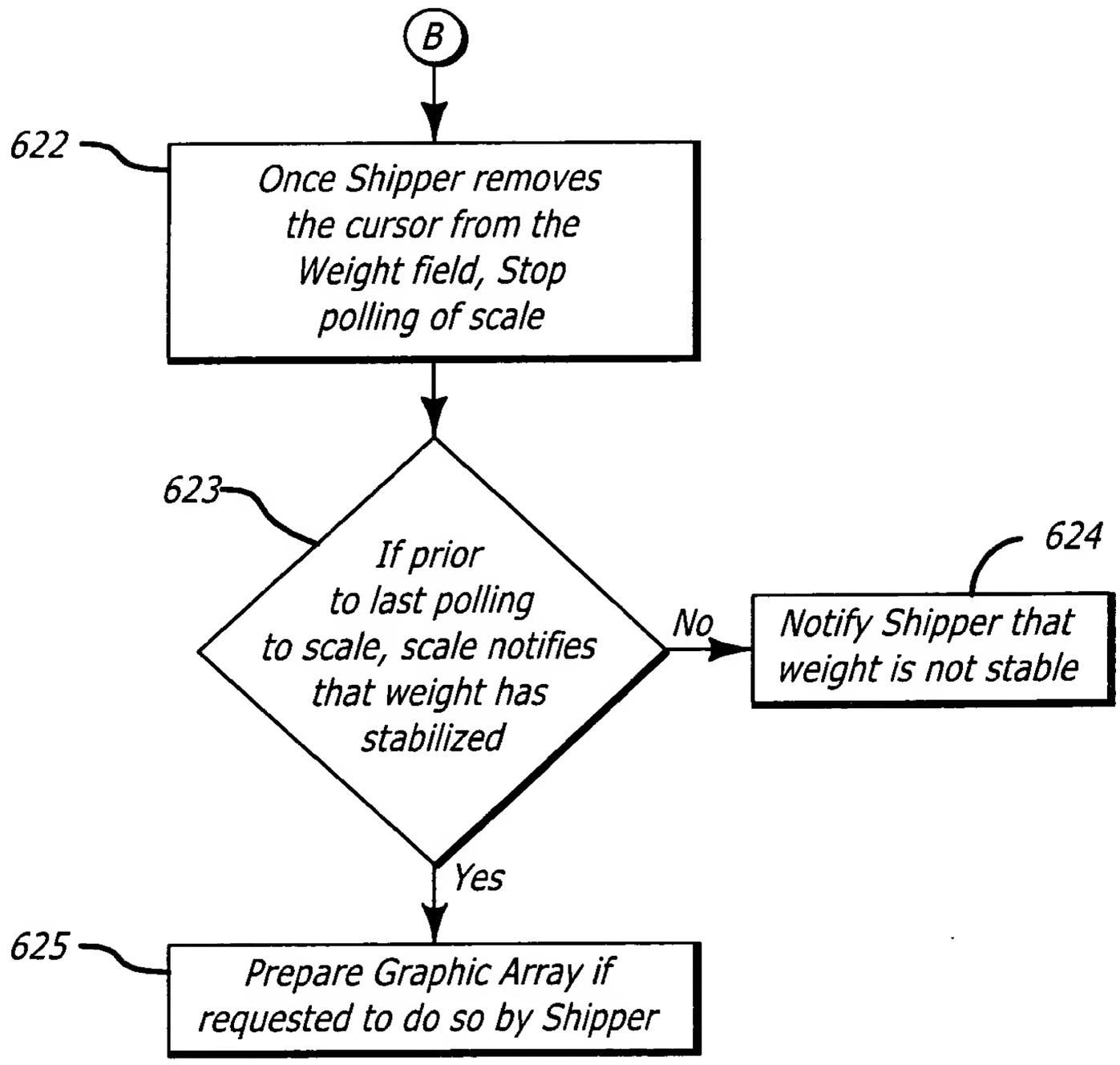

B
622
Once Shipper removes the cursor from the Weight field, Stop polling of scale
623
If prior to last polling to scale, scale notifies that weight has stabilized
No
624
Notify Shipper that weight is not stable
Yes
625
Prepare Graphic Array if requested to do so by Shipper

FIG. 27C

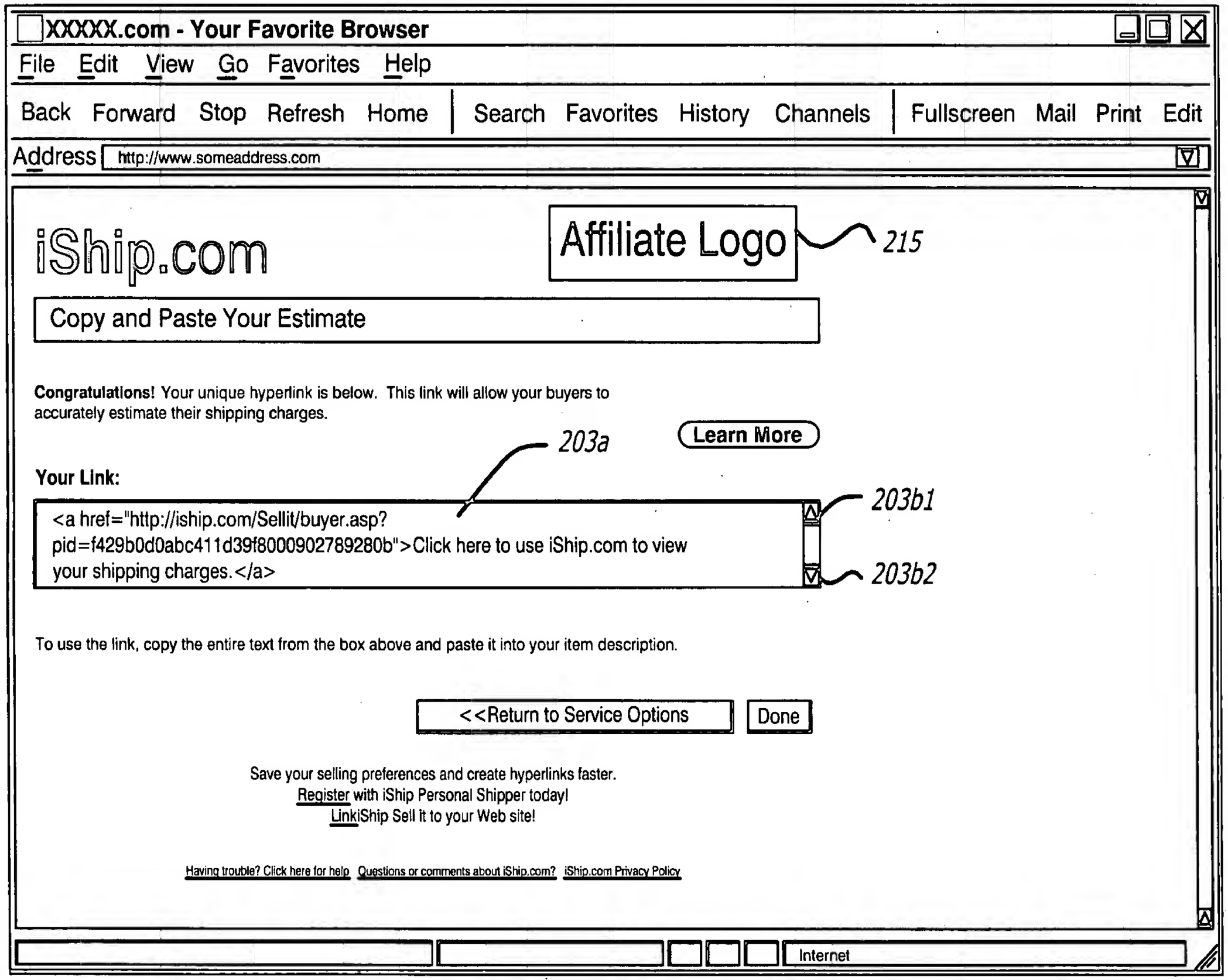


FIG. 30

Replacement Sheet

```
<a target="_new"
                                                    210
href="http://iship.com/commerce/default.asp?K=A6V1XZ
                                          210-1      210-2
&W=10&V=0&H=0">View Tour Shipping Costs!</a>
  211   212  213
```

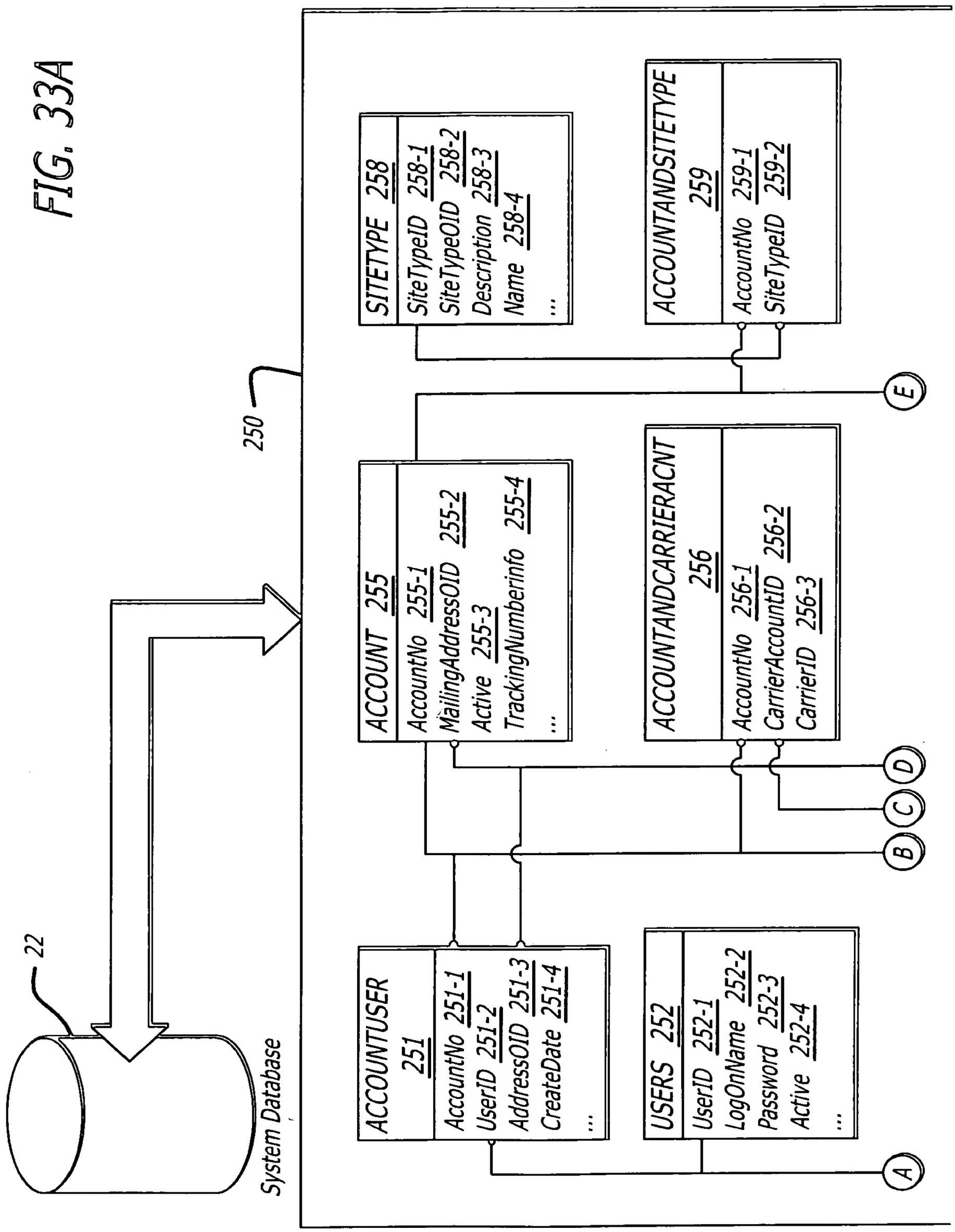
FIG. 31

```
<a href="http://iship.com/Sellit/buyer.asp?

pid=f429b0d0abc411d39f8000902789280b"
                    220
>Click here to use iShip.com to view your shipping charges.</a>
```

FIG. 32

FIG. 33A


22
System Database
250
SITETYPE 258
SiteTypeID 258-1
SiteTypeOID 258-2
Description 258-3
Name 258-4
...
ACCOUNTANDSITETYPE 259
AccountNo 259-1
SiteTypeID 259-2
ACCOUNT 255
AccountNo 255-1
MailingAddressOID 255-2
Active 255-3
TrackingNumberinfo 255-4
...
ACCOUNTANDCARRIERACNT 256
AccountNo 256-1
CarrierAccountID 256-2
CarrierID 256-3
ACCOUNTUSER 251
AccountNo 251-1
UserID 251-2
AddressOID 251-3
CreateDate 251-4
...
USERS 252
UserID 252-1
LogOnName 252-2
Password 252-3
Active 252-4
...
A
B
C
D
E

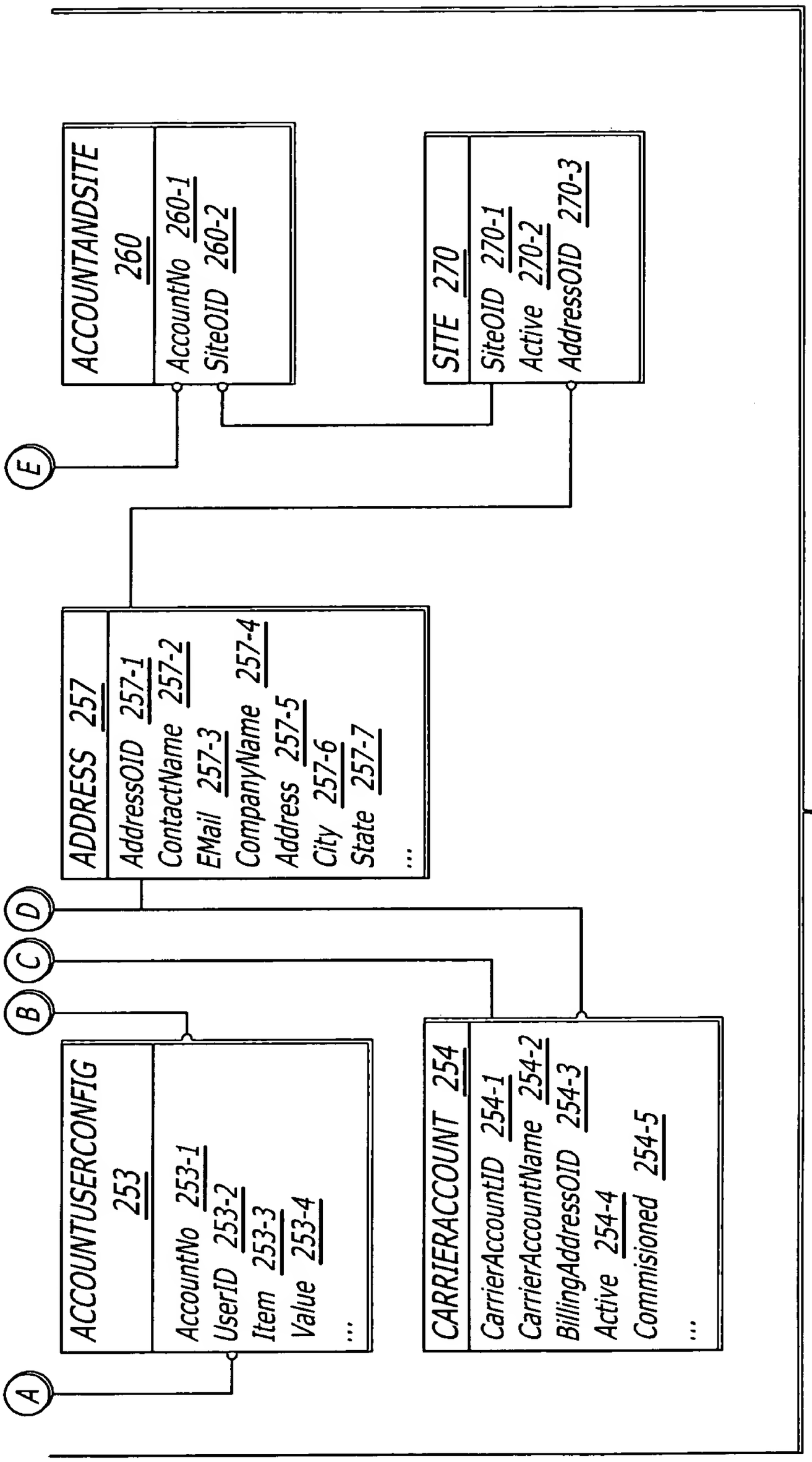

ACCOUNTANDSITE
260
AccountNo 260-1
SiteOID 260-2
SITE 270
SiteOID 270-1
Active 270-2
AddressOID 270-3
E
ADDRESS 257
AddressOID 257-1
ContactName 257-2
EMail 257-3
CompanyName 257-4
Address 257-5
City 257-6
State 257-7
...
D
C
B
A
ACCOUNTUSERCONFIG
253
AccountNo 253-1
UserID 253-2
Item 253-3
Value 253-4
...
CARRIERACCOUNT 254
CarrierAccountID 254-1
CarrierAccountName 254-2
BillingAddressOID 254-3
Active 254-4
Commisioned 254-5
...
250

FIG. 33B

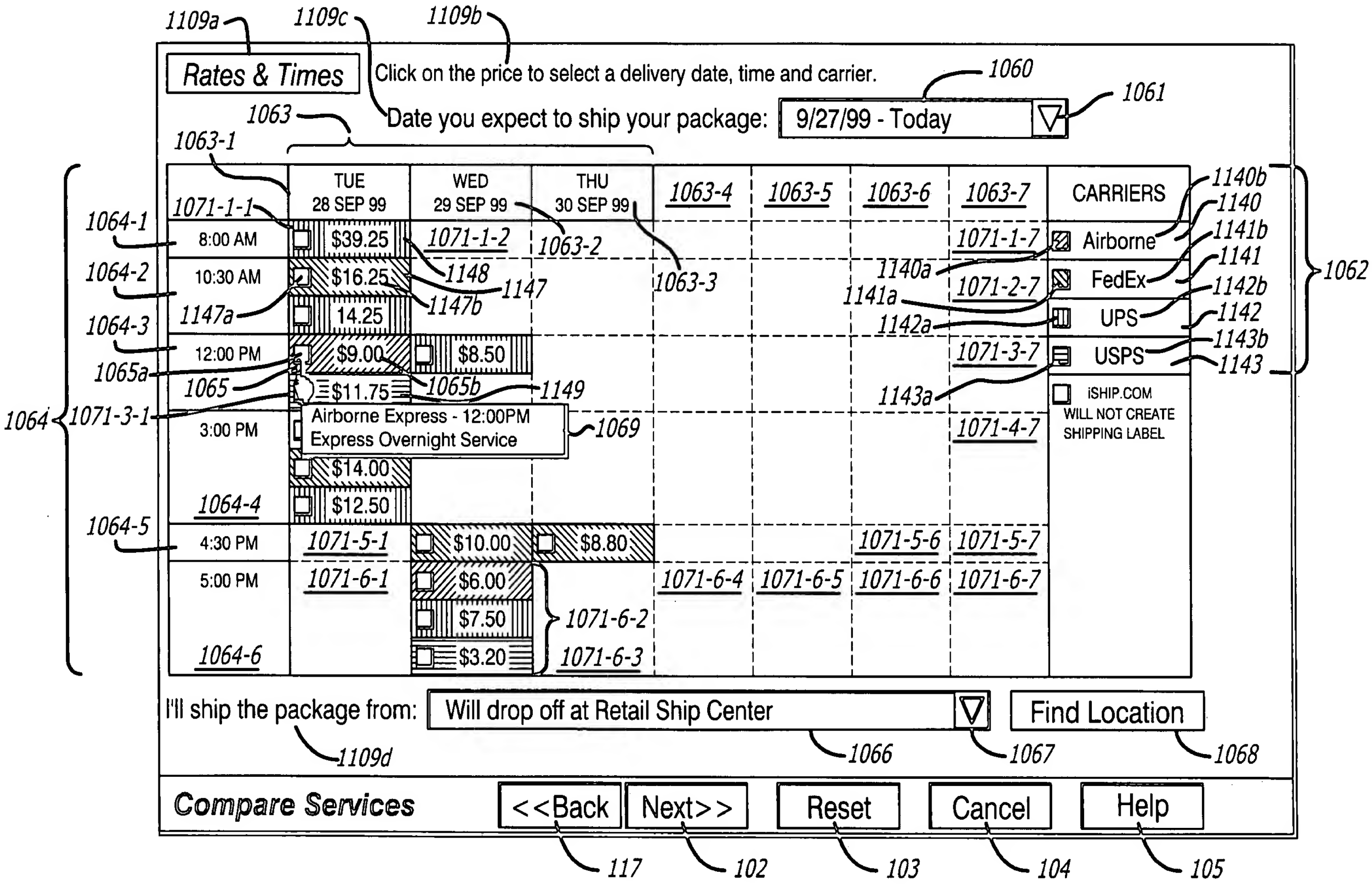


FIG. 36A

Replacement Sheet

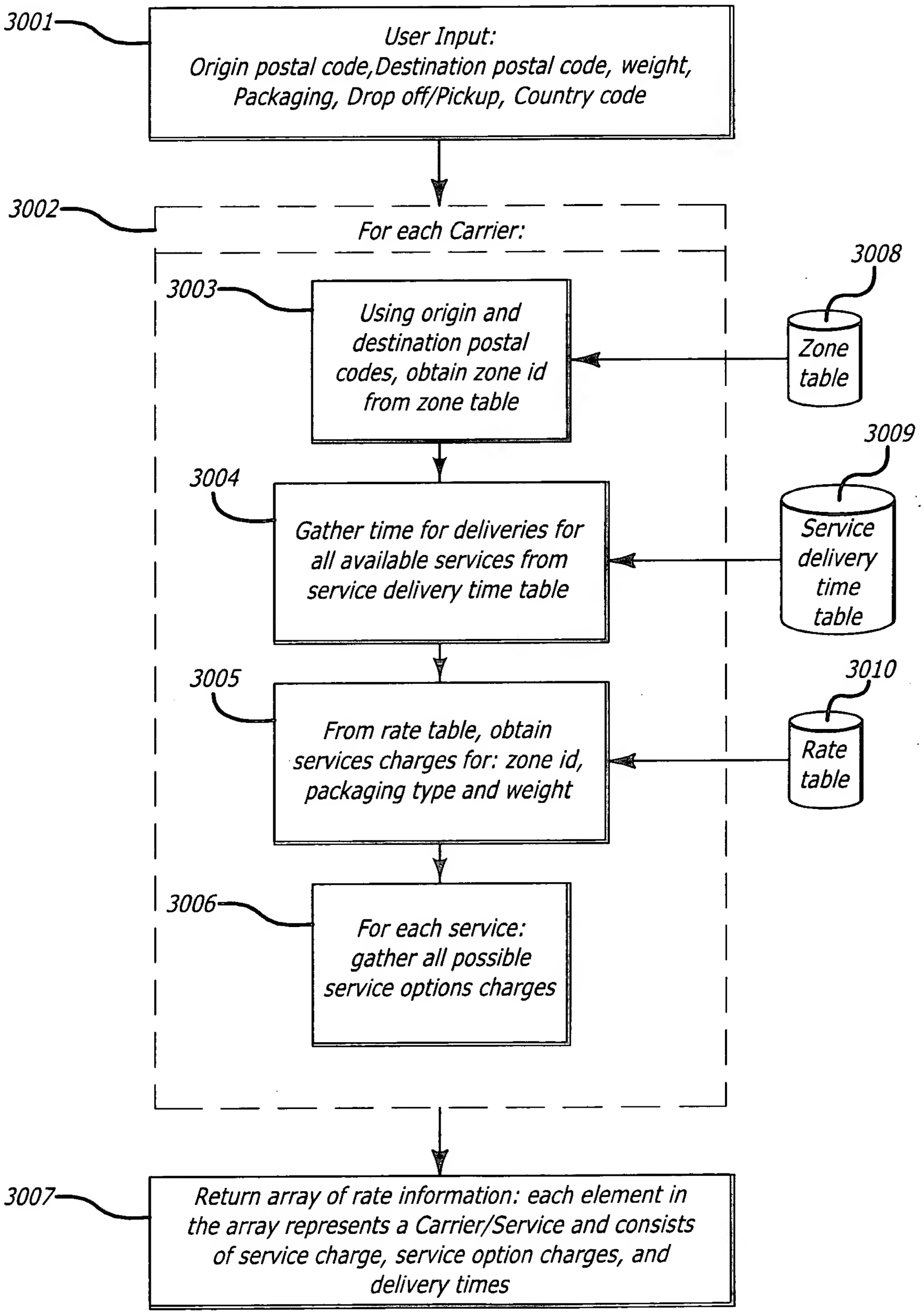

3001
User Input:
Origin postal code,Destination postal code, weight,
Packaging, Drop off/Pickup, Country code
3002
For each Carrier:
3003
Using origin and destination postal codes, obtain zone id from zone table
3008
Zone table
3004
Gather time for deliveries for all available services from service delivery time table
3009
Service delivery time table
3005
From rate table, obtain services charges for: zone id, packaging type and weight
3010
Rate table
3006
For each service: gather all possible service options charges
3007
Return array of rate information: each element in the array represents a Carrier/Service and consists of service charge, service option charges, and delivery times

FIG. 36B

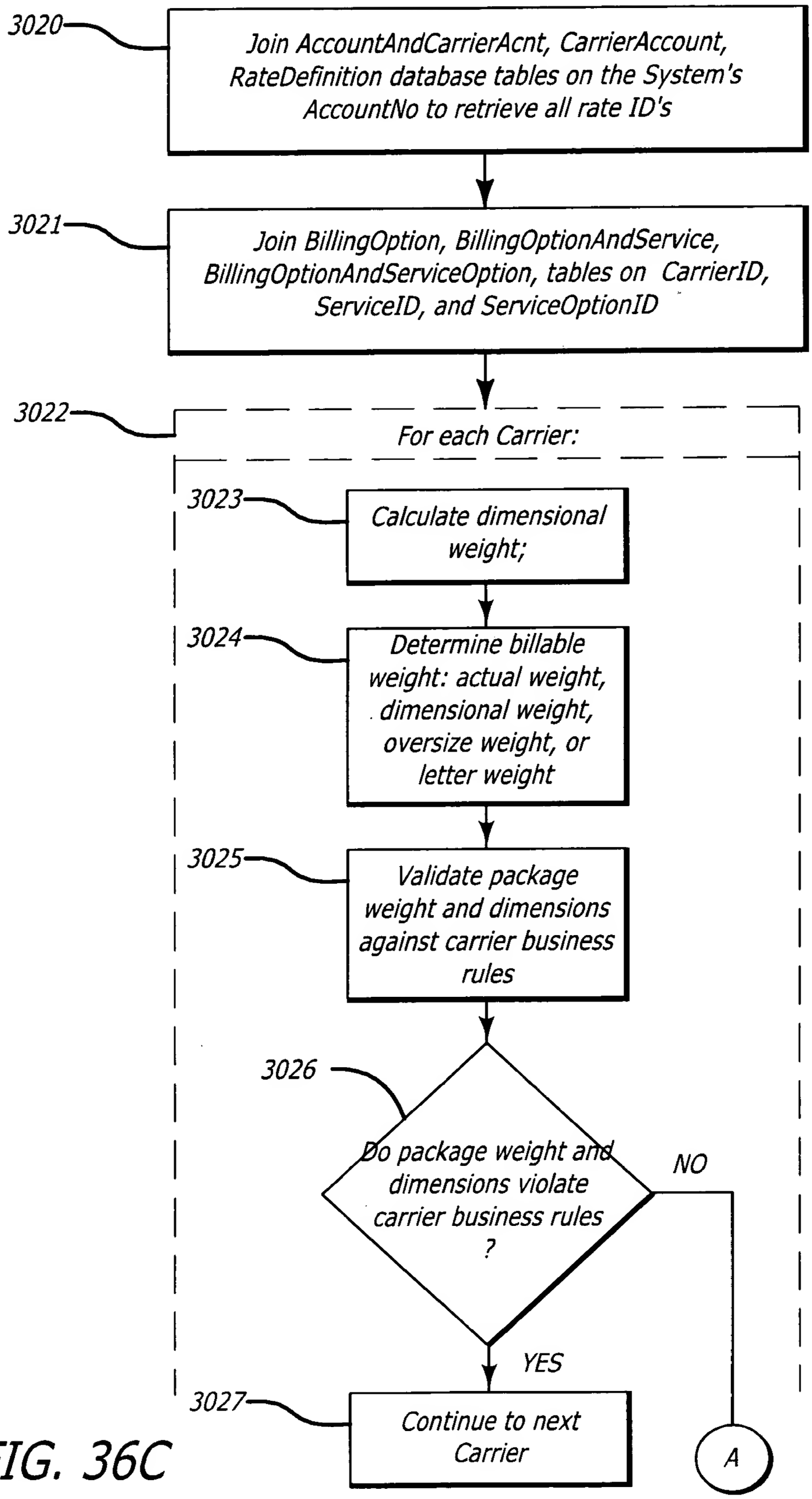

3020
Join AccountAndCarrierAcnt, CarrierAccount, RateDefinition database tables on the System's AccountNo to retrieve all rate ID's
3021
Join BillingOption, BillingOptionAndService, BillingOptionAndServiceOption, tables on CarrierID, ServiceID, and ServiceOptionID
3022
For each Carrier:
3023
Calculate dimensional weight;
3024
Determine billable weight: actual weight, dimensional weight, oversize weight, or letter weight
3025
Validate package weight and dimensions against carrier business rules
3026
Do package weight and dimensions violate carrier business rules ?
NO
YES
3027
Continue to next Carrier
A

FIG. 36C

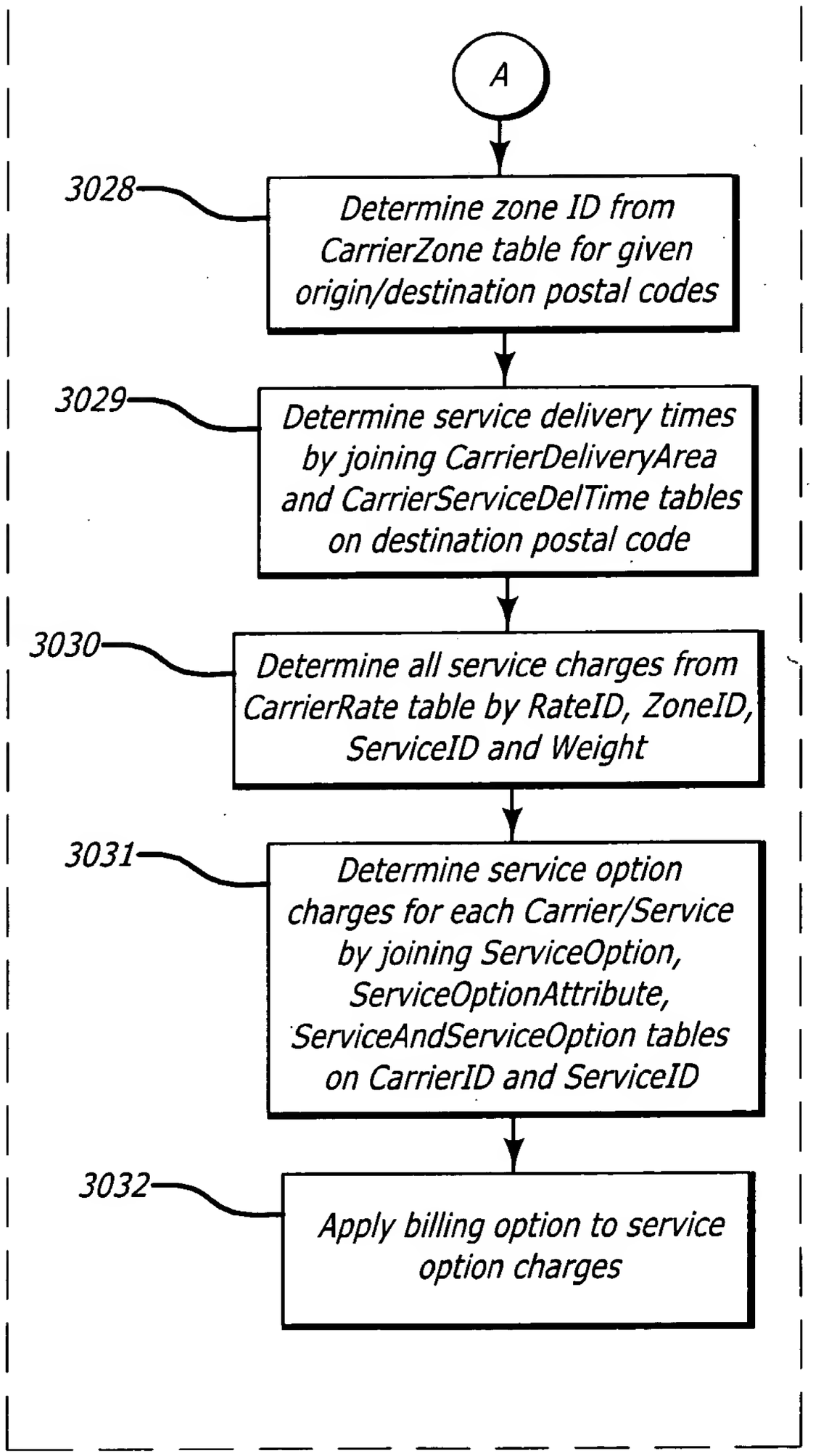

A
3028
Determine zone ID from CarrierZone table for given origin/destination postal codes
3029
Determine service delivery times by joining CarrierDeliveryArea and CarrierServiceDelTime tables on destination postal code
3030
Determine all service charges from CarrierRate table by RateID, ZoneID, ServiceID and Weight
3031
Determine service option charges for each Carrier/Service by joining ServiceOption, ServiceOptionAttribute, ServiceAndServiceOption tables on CarrierID and ServiceID
3032
Apply billing option to service option charges

FIG. 36D

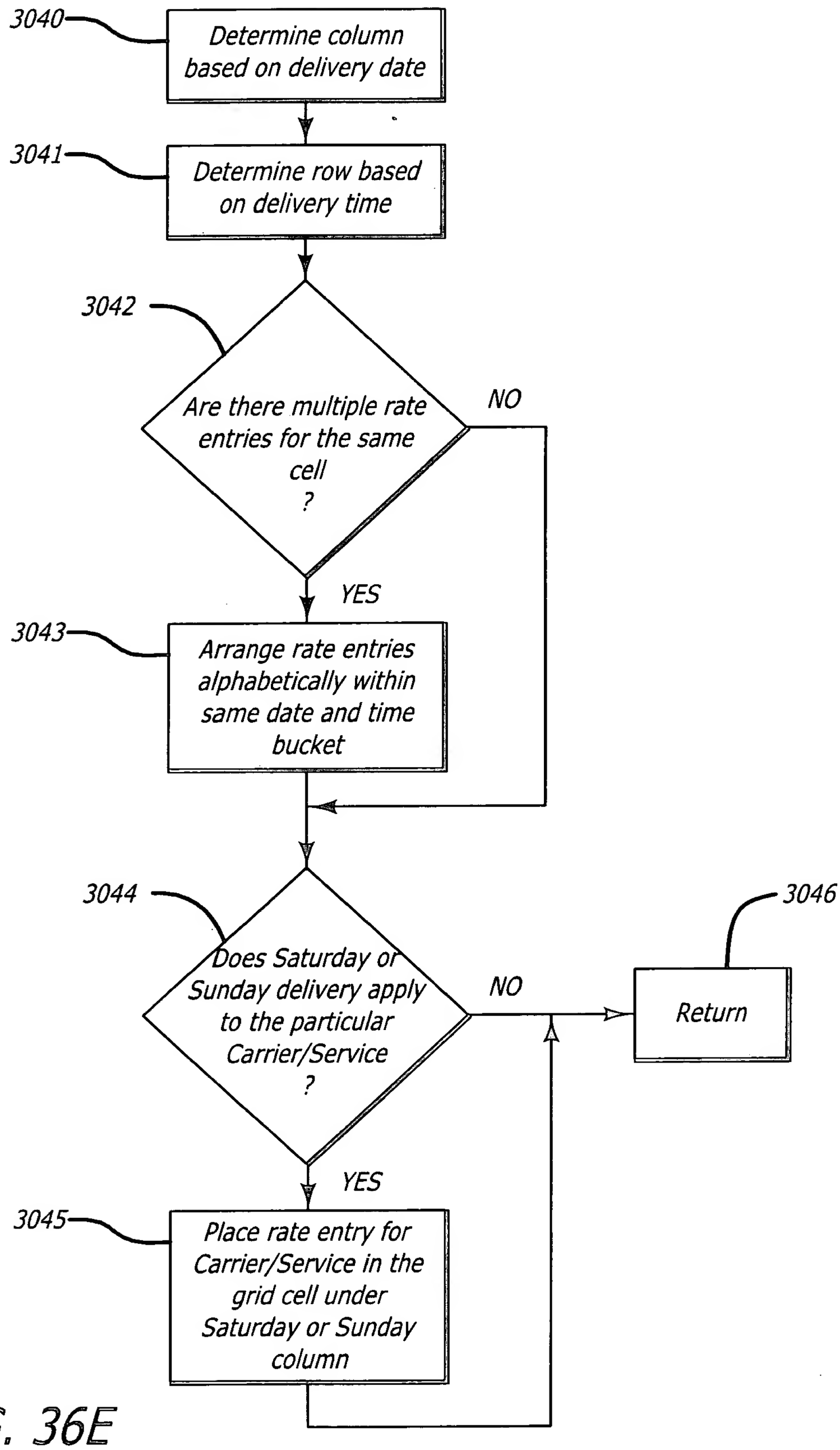

3040
Determine column based on delivery date
3041
Determine row based on delivery time
3042
Are there multiple rate entries for the same cell ?
NO
YES
3043
Arrange rate entries alphabetically within same date and time bucket
3044
Does Saturday or Sunday delivery apply to the particular Carrier/Service ?
NO
YES
3045
Place rate entry for Carrier/Service in the grid cell under Saturday or Sunday column
3046
Return

FIG. 36E

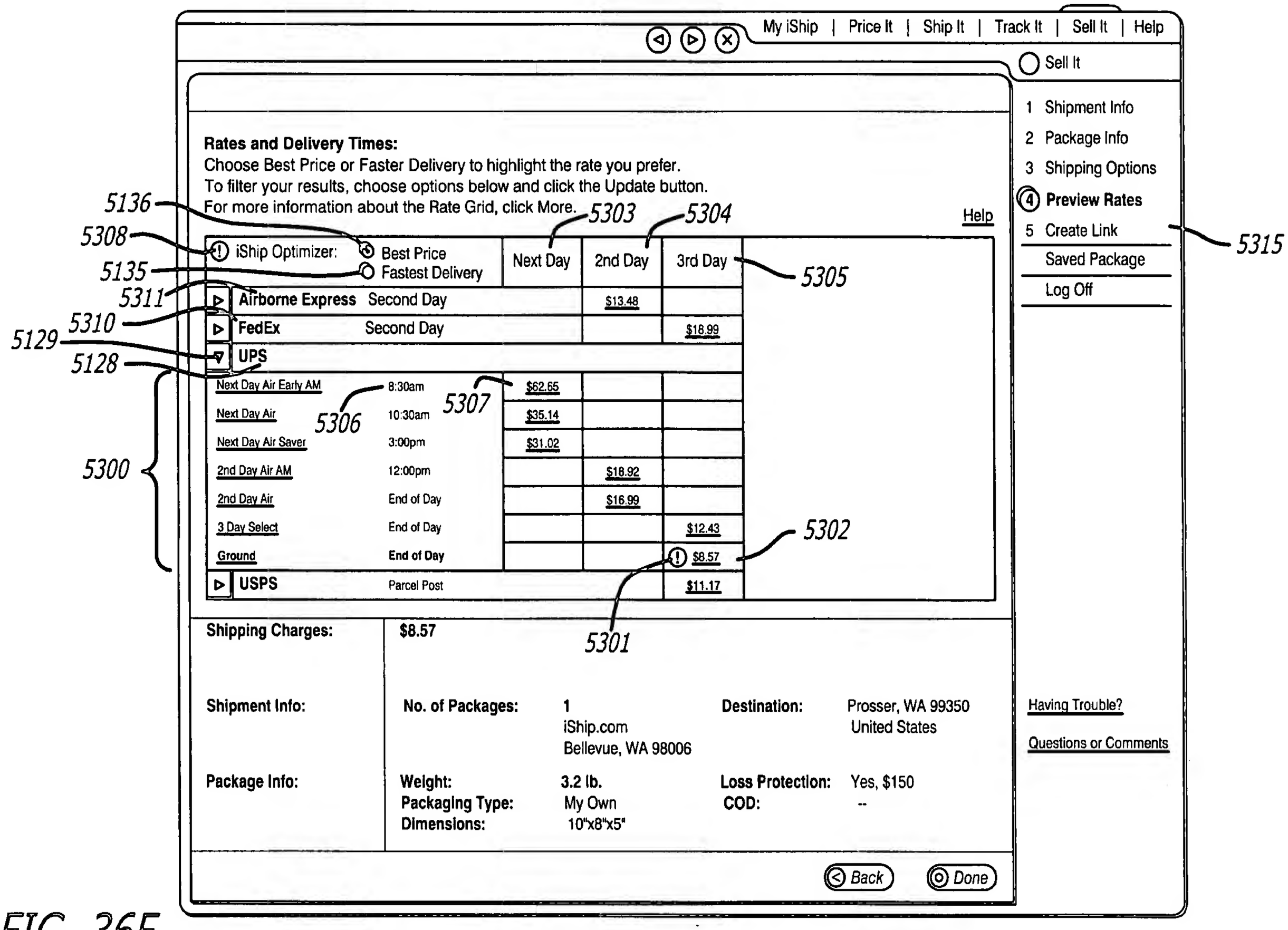


FIG. 36F

Replacement Sheet

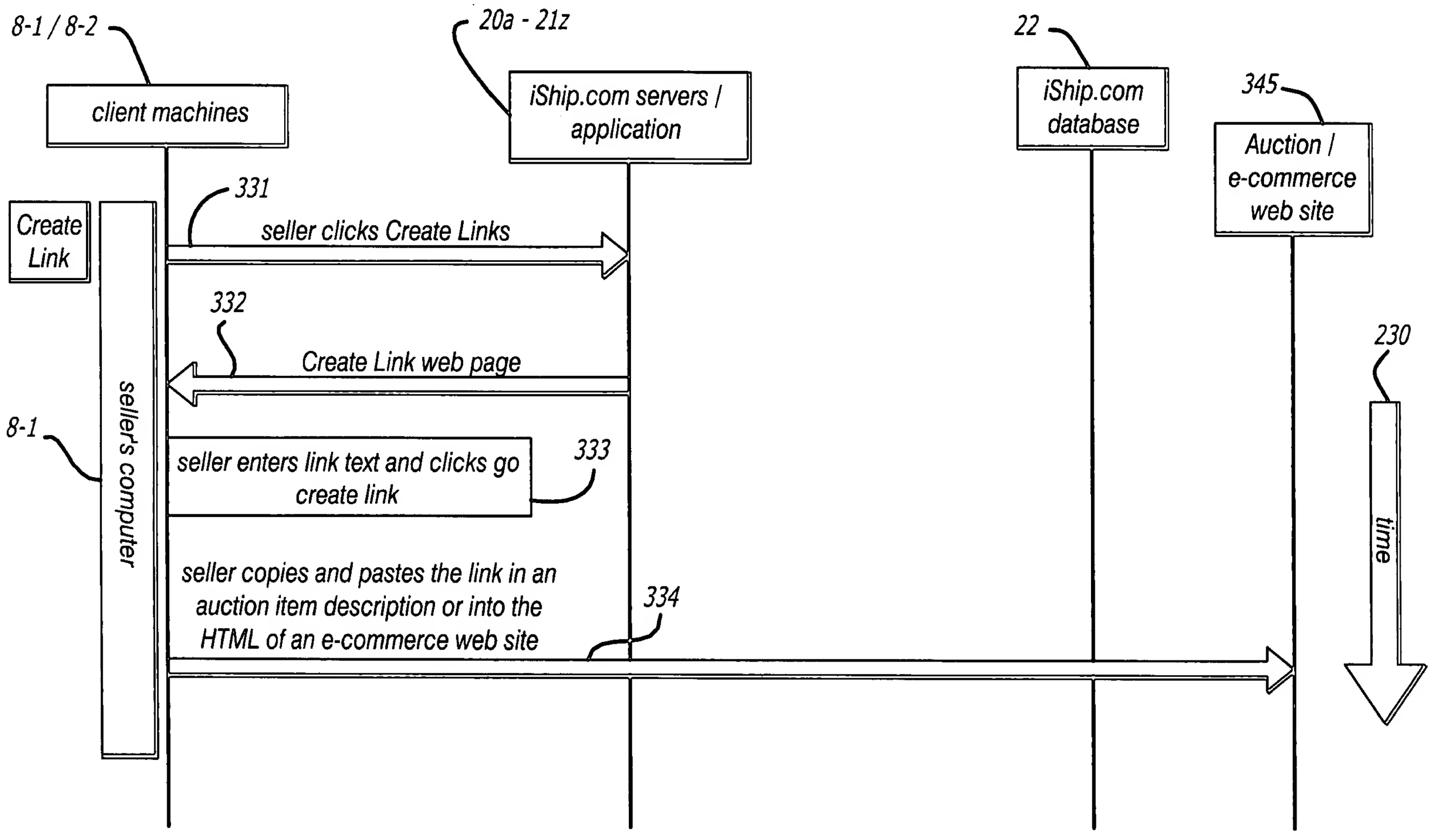


FIG. 37A

Replacement Sheet

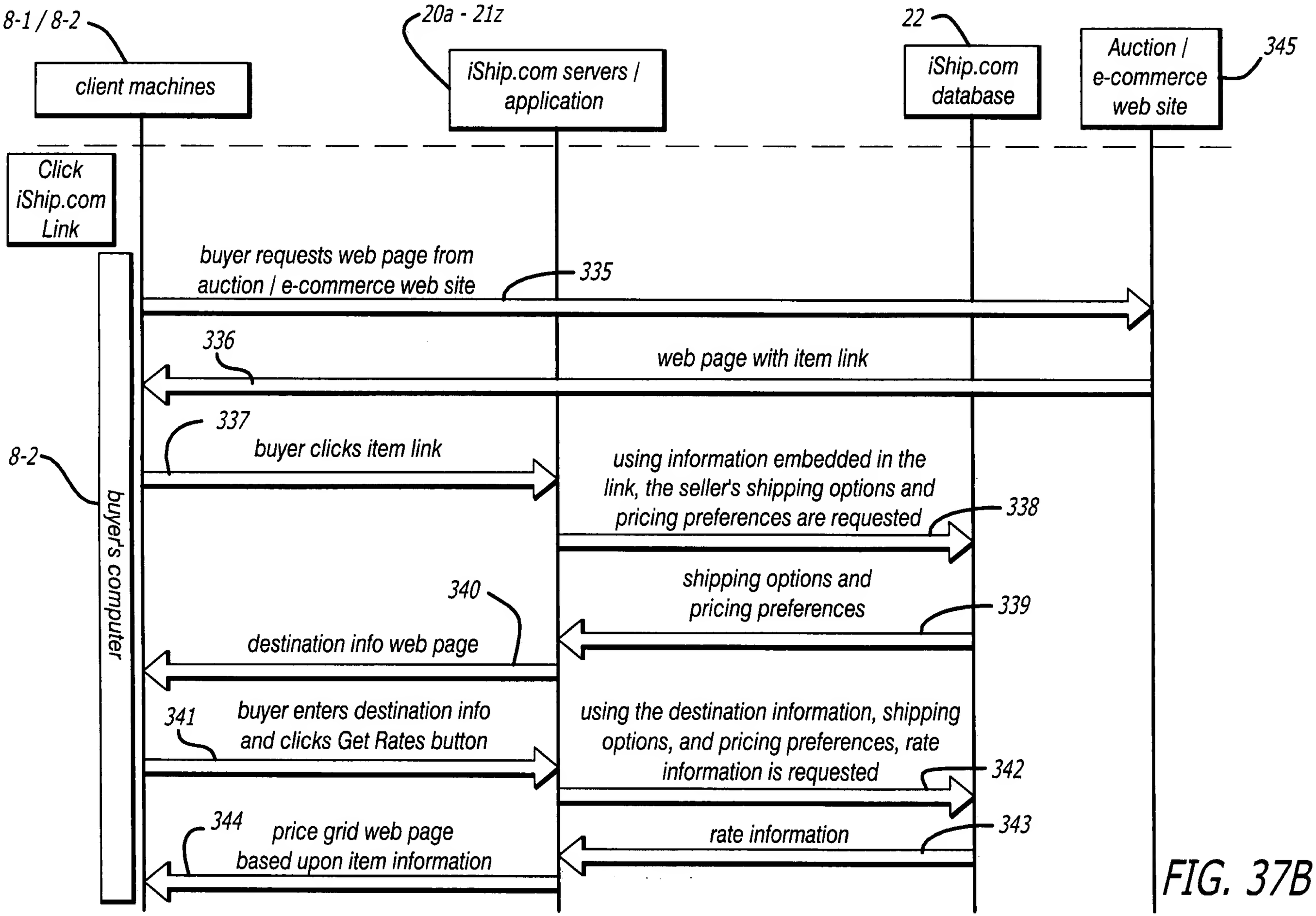


FIG. 37B

Replacement Sheet

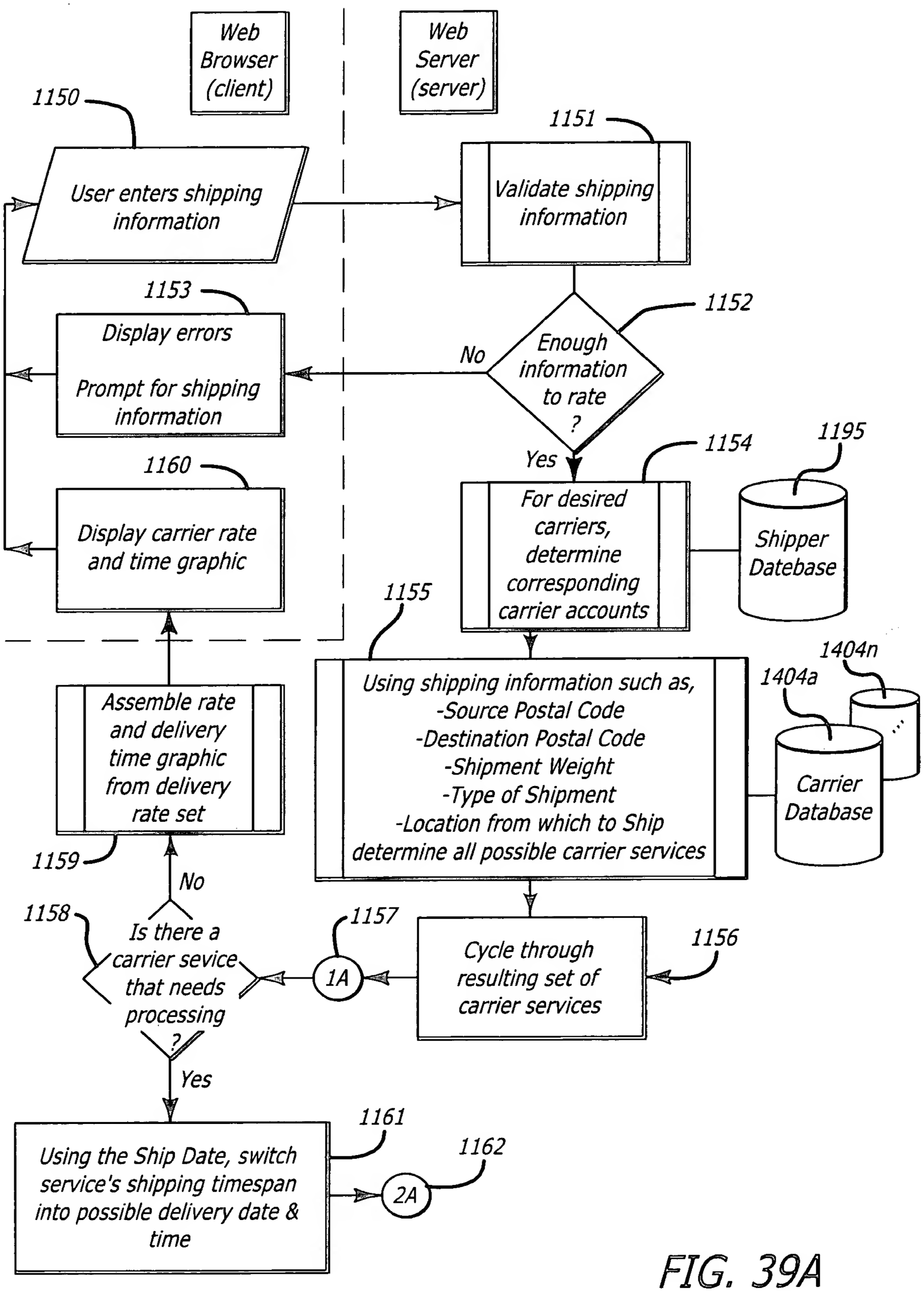

Web Browser (client)
Web Server (server)
1150
User enters shipping information
1151
Validate shipping information
1153
Display errors
Prompt for shipping information
1152
No
Enough information to rate ?
Yes
1160
Display carrier rate and time graphic
1154
For desired carriers, determine corresponding carrier accounts
1195
Shipper Datebase
1155
Using shipping information such as,
-Source Postal Code
-Destination Postal Code
-Shipment Weight
-Type of Shipment
-Location from which to Ship
determine all possible carrier services
1404n
1404a
Carrier Database
Assemble rate and delivery time graphic from delivery rate set
1159
No
1158
Is there a carrier sevice that needs processing ?
1157
1A
Cycle through resulting set of carrier services
1156
Yes
1161
Using the Ship Date, switch service's shipping timespan into possible delivery date & time
1162
2A

FIG. 39A

FIG. 39B

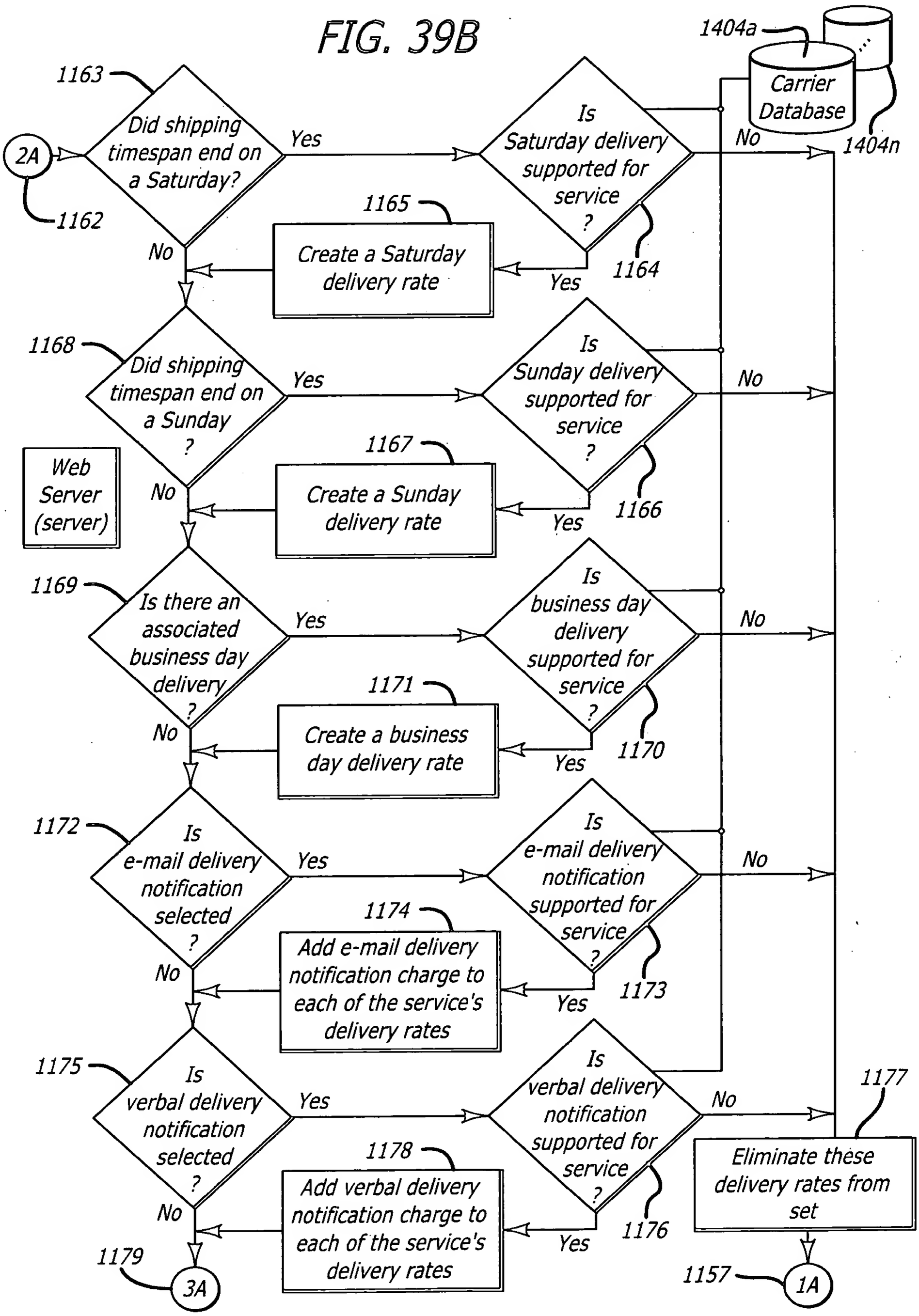
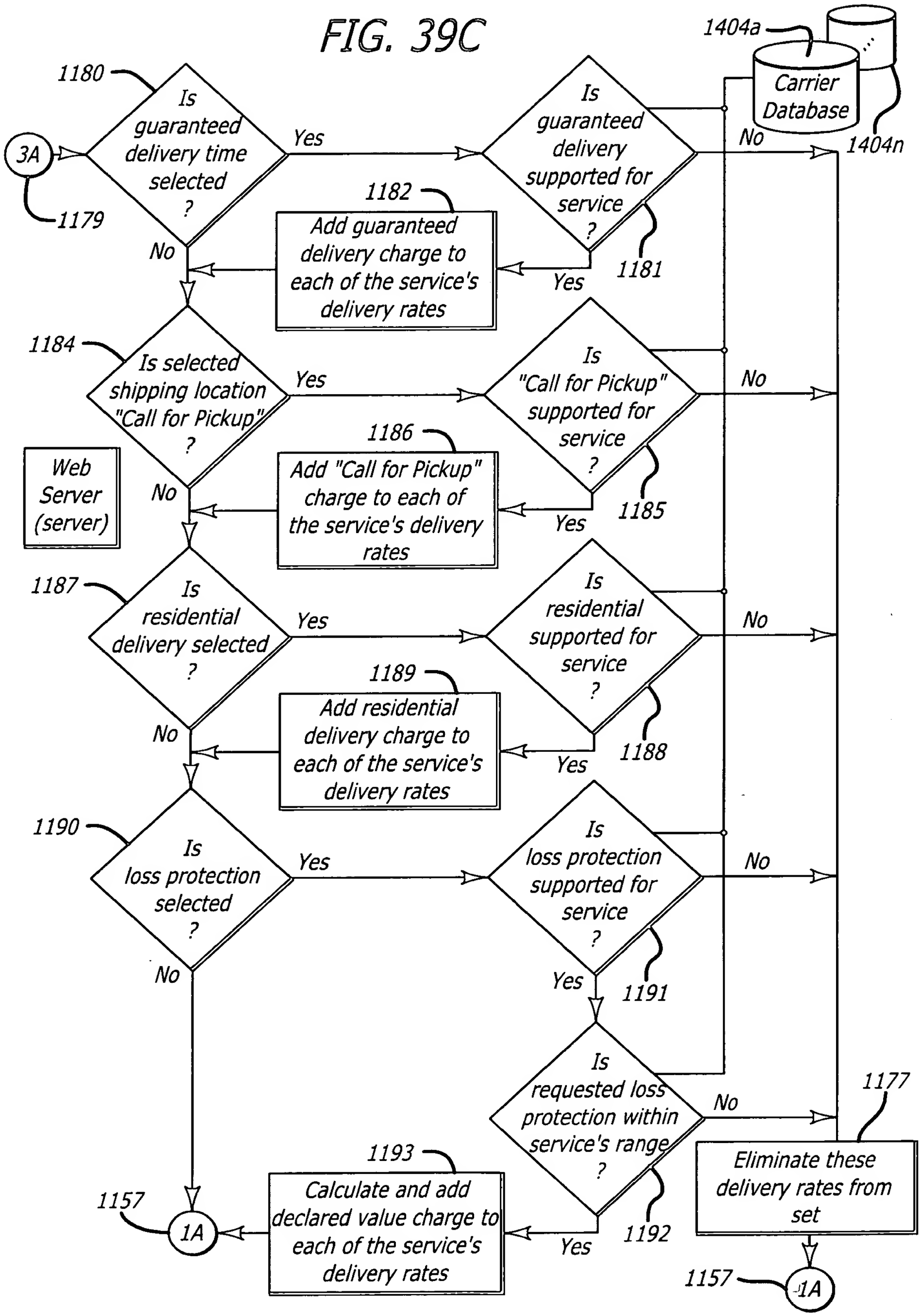

1163
Did shipping timespan end on a Saturday?
Yes
No
2A
1162
Is Saturday delivery supported for service ?
1164
1404a
Carrier Database
1404n
No
1165
Create a Saturday delivery rate
Yes
1168
Did shipping timespan end on a Sunday ?
Yes
No
Is Sunday delivery supported for service ?
1166
1167
Create a Sunday delivery rate
Yes
Web Server (server)
1169
Is there an associated business day delivery ?
Yes
No
Is business day delivery supported for service ?
1170
1171
Create a business day delivery rate
Yes
1172
Is e-mail delivery notification selected ?
Yes
No
Is e-mail delivery notification supported for service ?
1173
1174
Add e-mail delivery notification charge to each of the service's delivery rates
Yes
1175
Is verbal delivery notification selected ?
Yes
No
Is verbal delivery notification supported for service ?
1176
1177
No
Eliminate these delivery rates from set
1178
Add verbal delivery notification charge to each of the service's delivery rates
Yes
1179
3A
1157
1A

FIG. 39C


1180
Is guaranteed delivery time selected ?
3A
1179
Yes
No
1182
Add guaranteed delivery charge to each of the service's delivery rates
Is guaranteed delivery supported for service ?
1181
Yes
No
1404a
Carrier Database
1404n
1184
Is selected shipping location "Call for Pickup" ?
Yes
No
1186
Add "Call for Pickup" charge to each of the service's delivery rates
Is "Call for Pickup" supported for service ?
1185
Yes
No
Web Server (server)
1187
Is residential delivery selected ?
Yes
No
1189
Add residential delivery charge to each of the service's delivery rates
Is residential supported for service ?
1188
Yes
No
1190
Is loss protection selected ?
Yes
No
Is loss protection supported for service ?
1191
Yes
No
Is requested loss protection within service's range ?
1192
Yes
No
1177
Eliminate these delivery rates from set
1193
Calculate and add declared value charge to each of the service's delivery rates
1157
1A
1157
1A

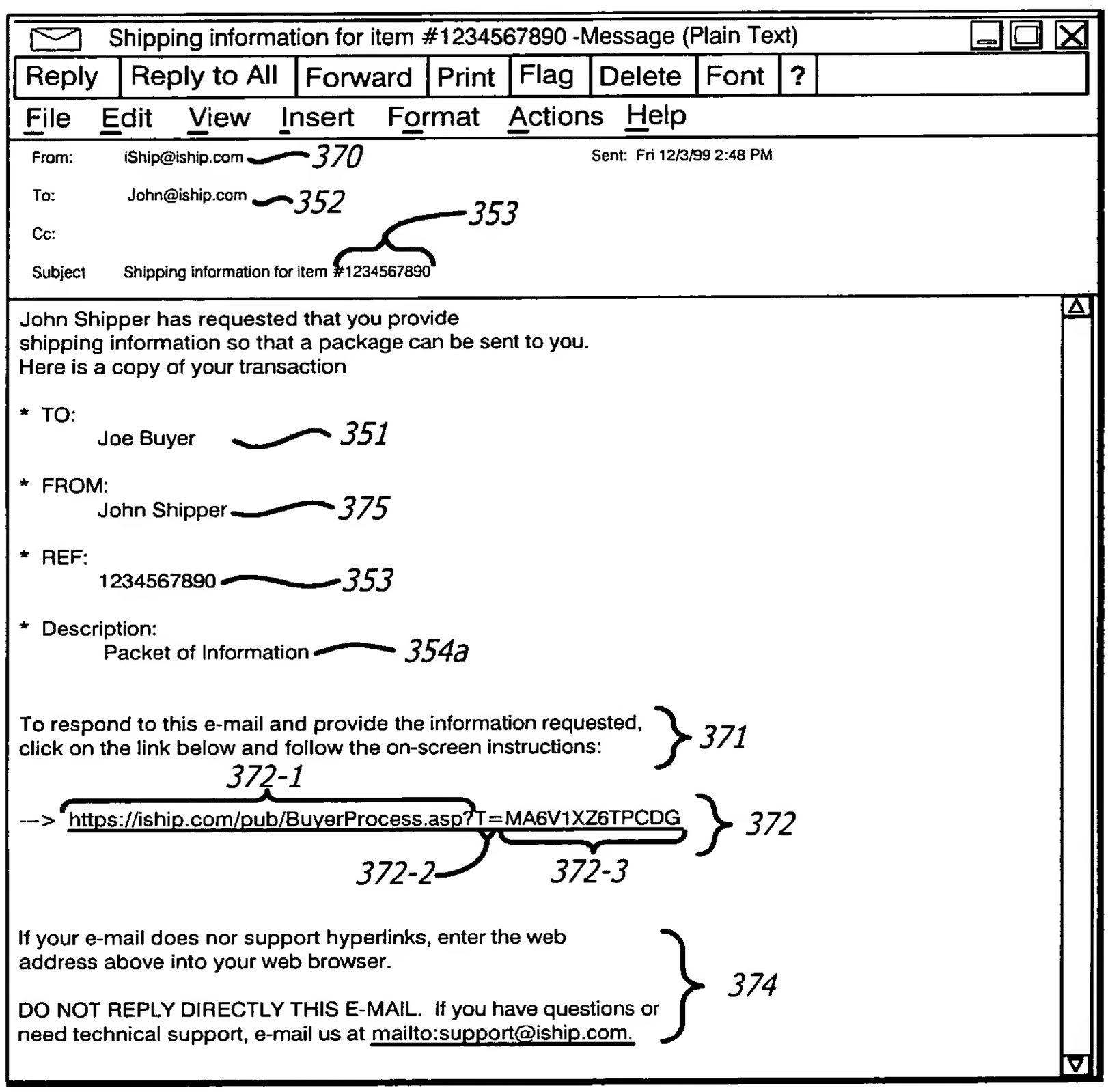

Shipping information for item #1234567890 -Message (Plain Text)
Reply
Reply to All
Forward
Print
Flag
Delete
Font
?
File Edit View Insert Format Actions Help
From: iShip@iship.com 370
Sent: Fri 12/3/99 2:48 PM
To: John@iship.com 352
Cc:
Subject Shipping information for item #1234567890 353
John Shipper has requested that you provide shipping information so that a package can be sent to you. Here is a copy of your transaction
* TO: Joe Buyer 351
* FROM: John Shipper 375
* REF: 1234567890 353
* Description: Packet of Information 354a
To respond to this e-mail and provide the information requested, click on the link below and follow the on-screen instructions: 371
372-1
---> https://iship.com/pub/BuyerProcess.asp?T=MA6V1XZ6TPCDG 372
372-2
372-3
If your e-mail does nor support hyperlinks, enter the web address above into your web browser.
DO NOT REPLY DIRECTLY THIS E-MAIL. If you have questions or need technical support, e-mail us at mailto:support@iship.com. 374

FIG. 43

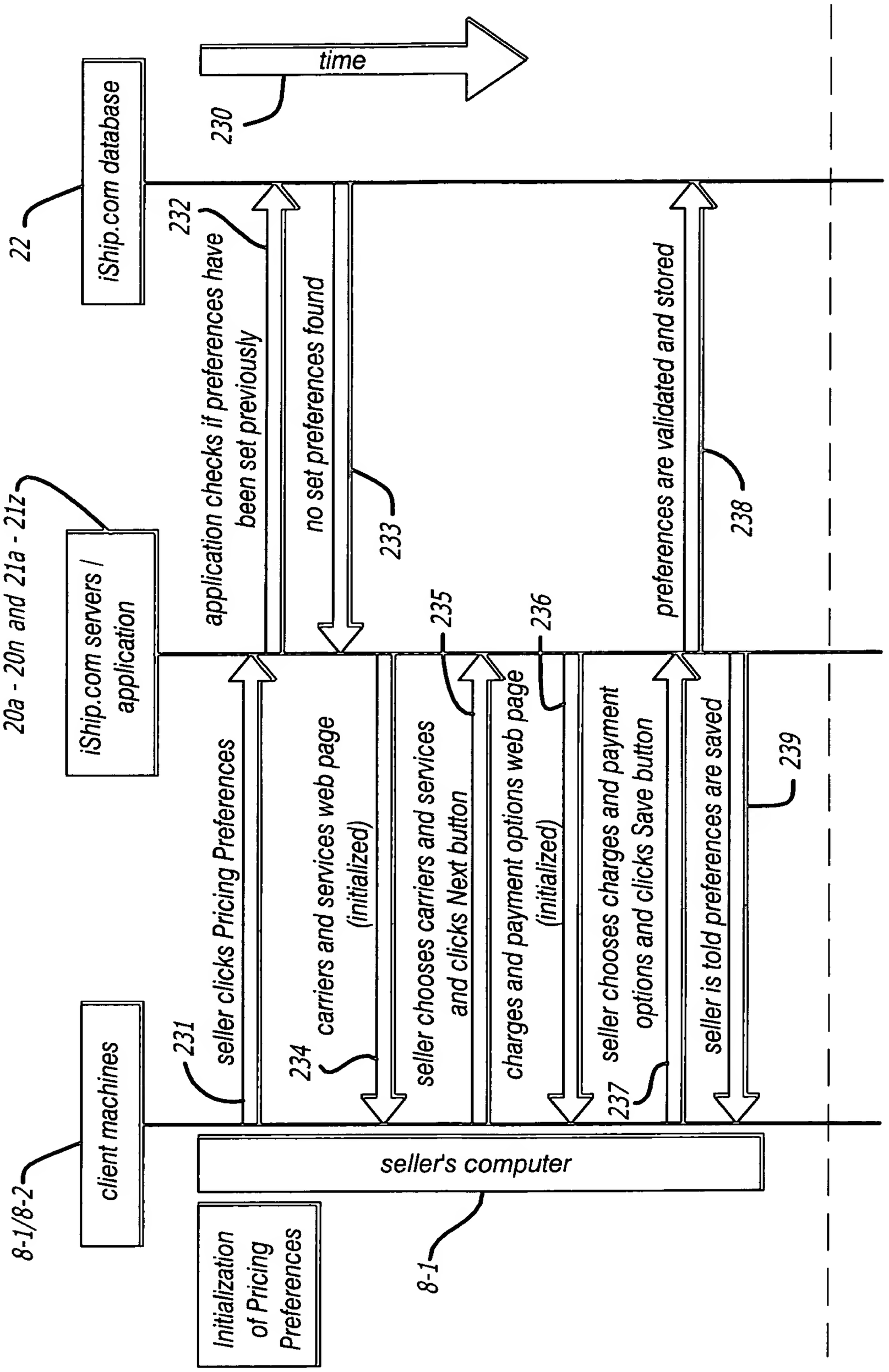

time
230
iShip.com database
22
application checks if preferences have been set previously
232
no set preferences found
233
preferences are validated and stored
238
iShip.com servers / application
20a - 20n and 21a - 21z
seller clicks Pricing Preferences
231
seller is told preferences are saved
239
pricing and services web page (initialized)
carriers and services
234
seller chooses carriers and services and clicks Next button
235
shipping and payment options web page (initialized)
236
seller chooses charges and payment options and clicks Save button
237
charges and
options
client machines
8-1/8-2
seller's computer
8-1
Initialization of Pricing Preferences

FIG. 64A-1

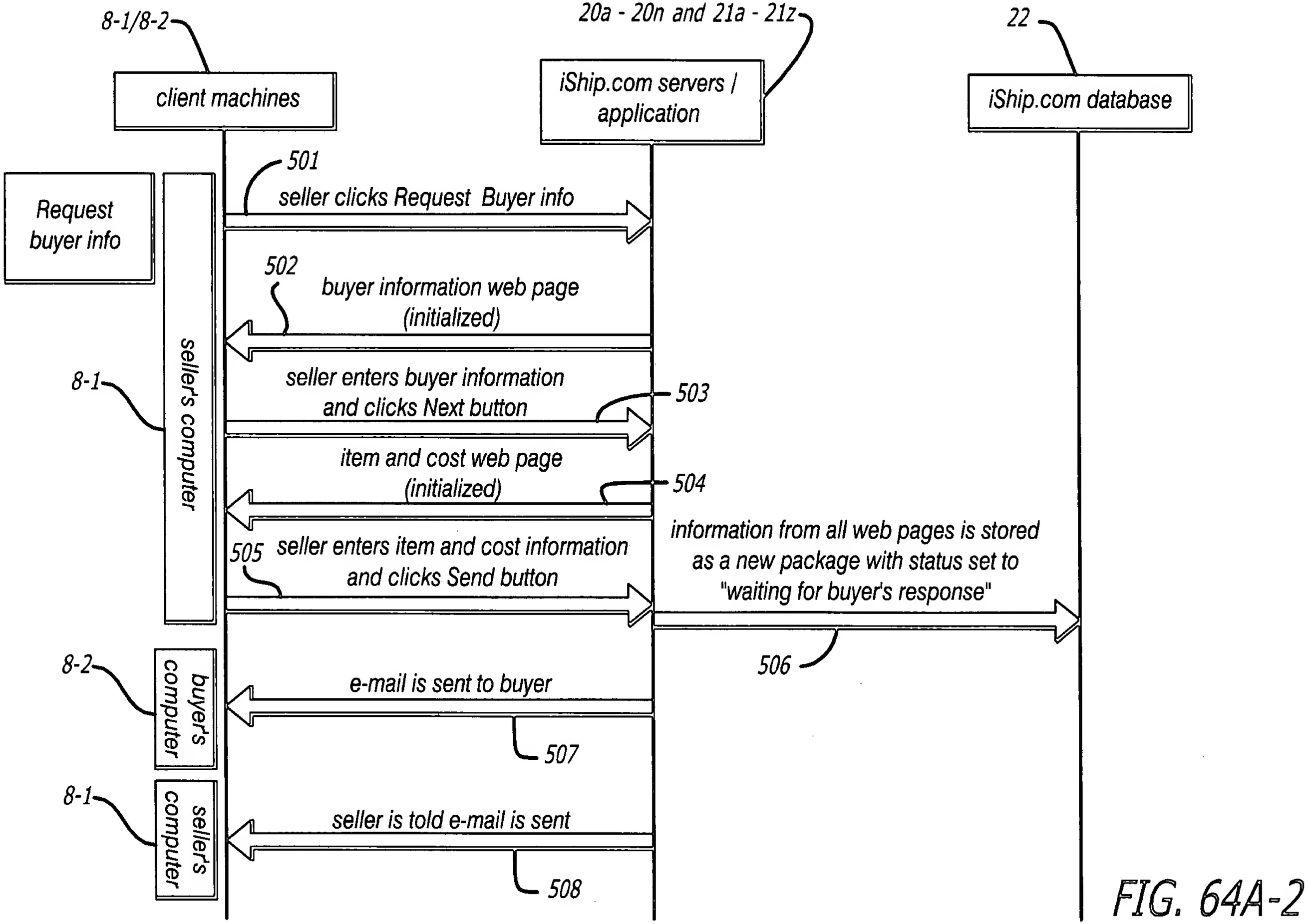


FIG. 64A-2

Replacement Sheet

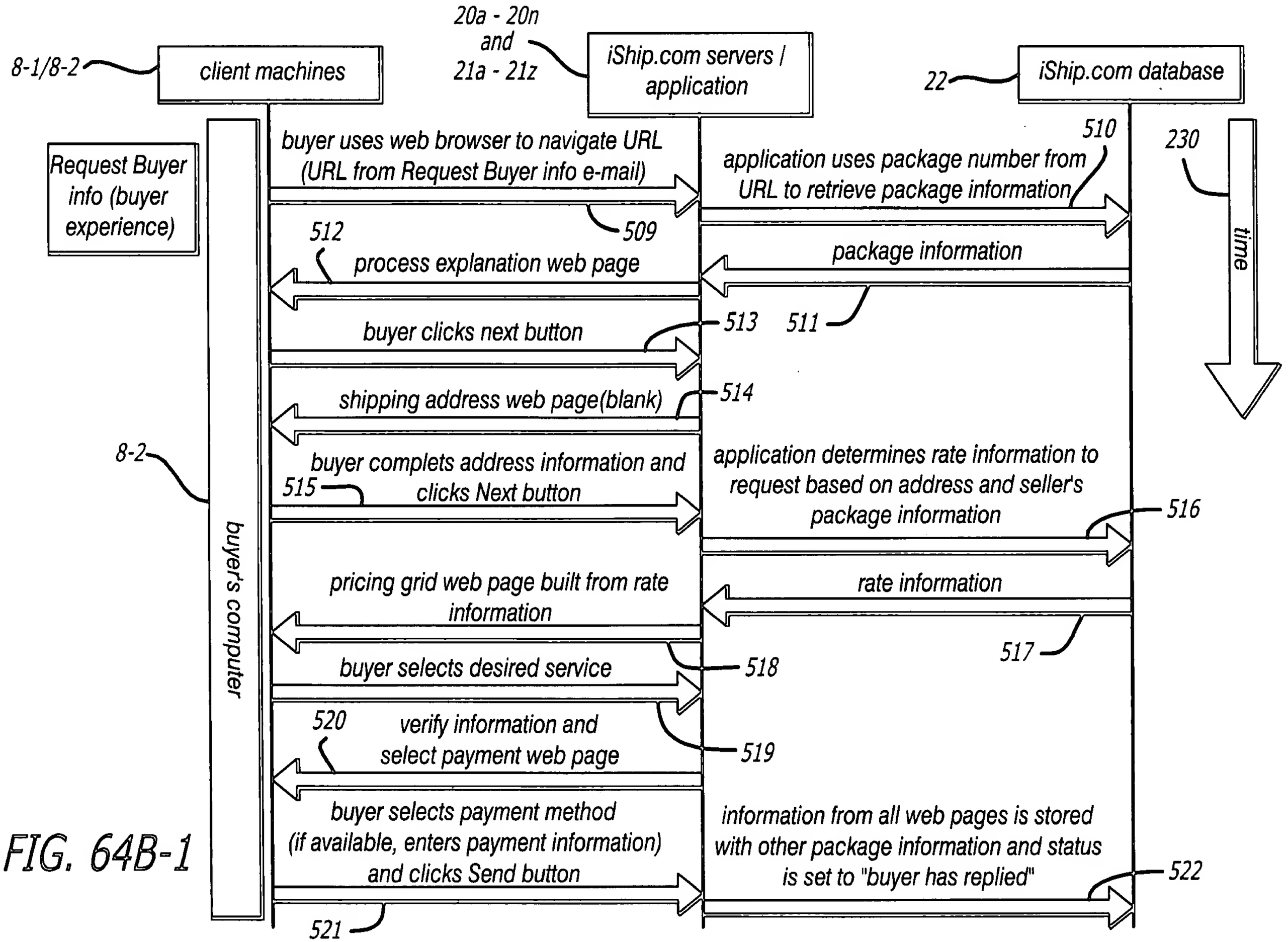


FIG. 64B-1

Replacement Sheet

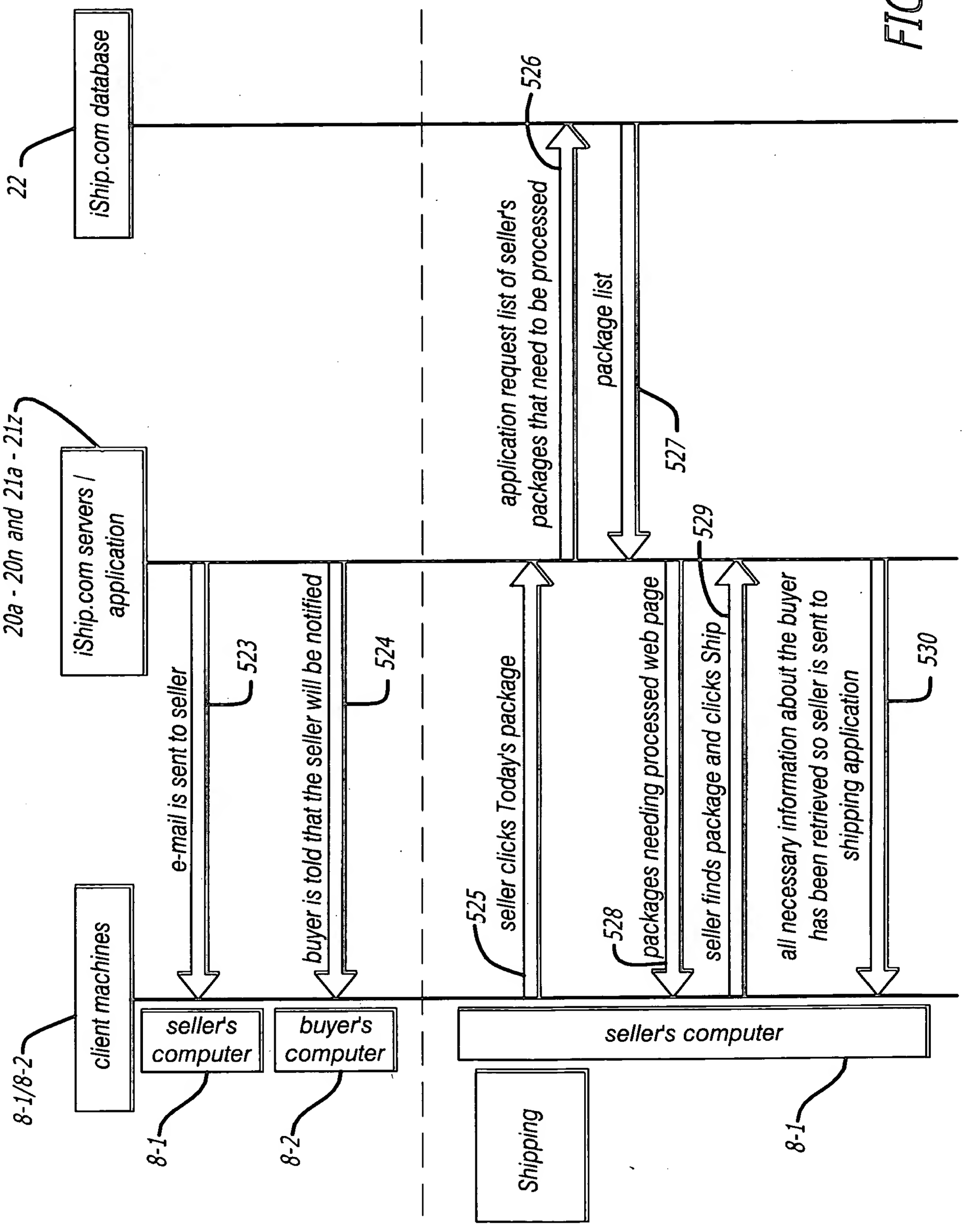

22
iShip.com database
526
20a - 20n and 21a - 21z
iShip.com servers / application
e-mail is sent to seller
523
buyer is told that the seller will be notified
524
application request list of seller's packages that need to be processed
package list
527
seller clicks Today's package
525
packages needing processed web page
528
seller finds package and clicks Ship
529
all necessary information about the buyer has been retrieved so seller is sent to shipping application
530
client machines
8-1/8-2
seller's computer
8-1
buyer's computer
8-2
Shipping
seller's computer
8-1

FIG. 64B-2

FIG. 65A

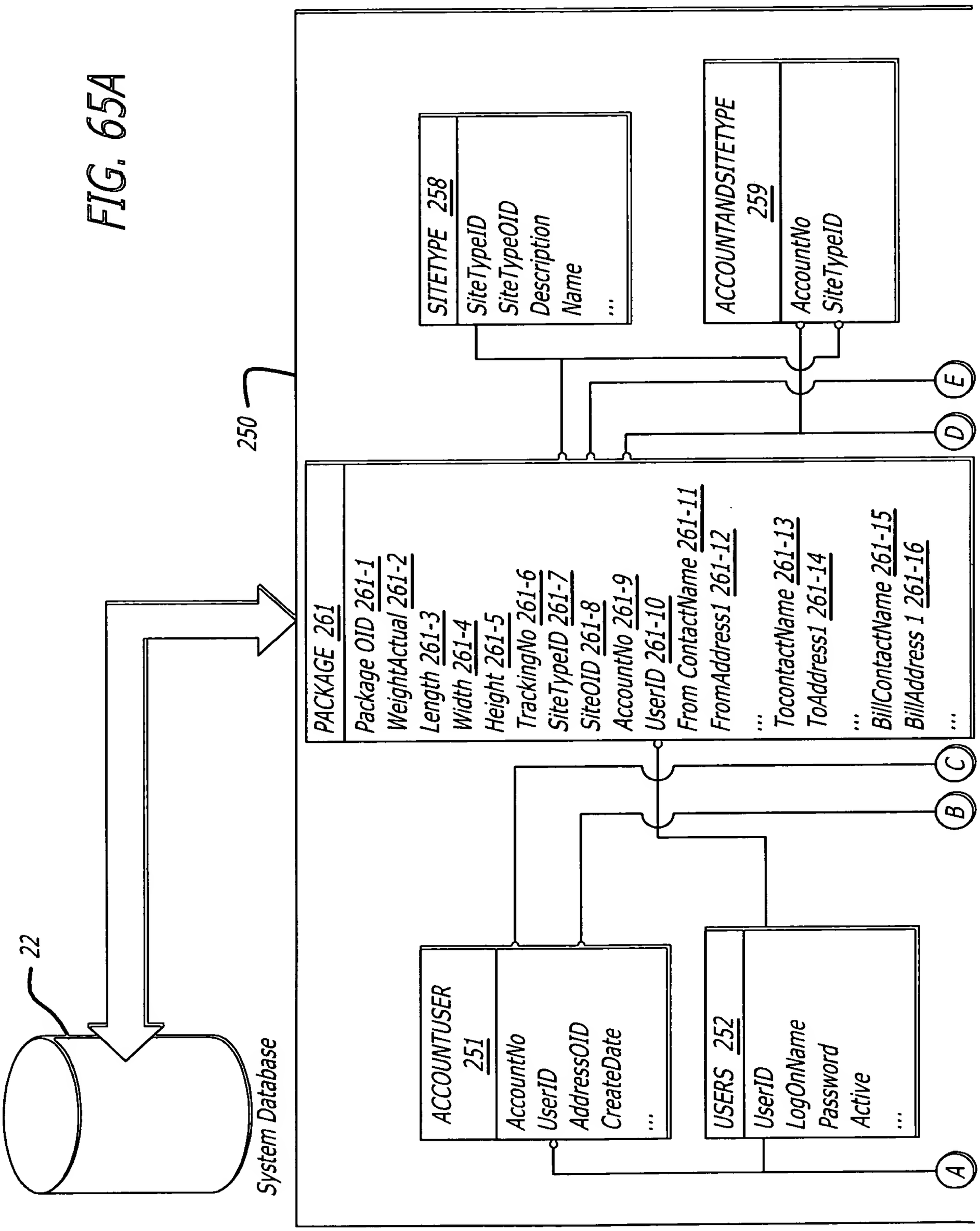
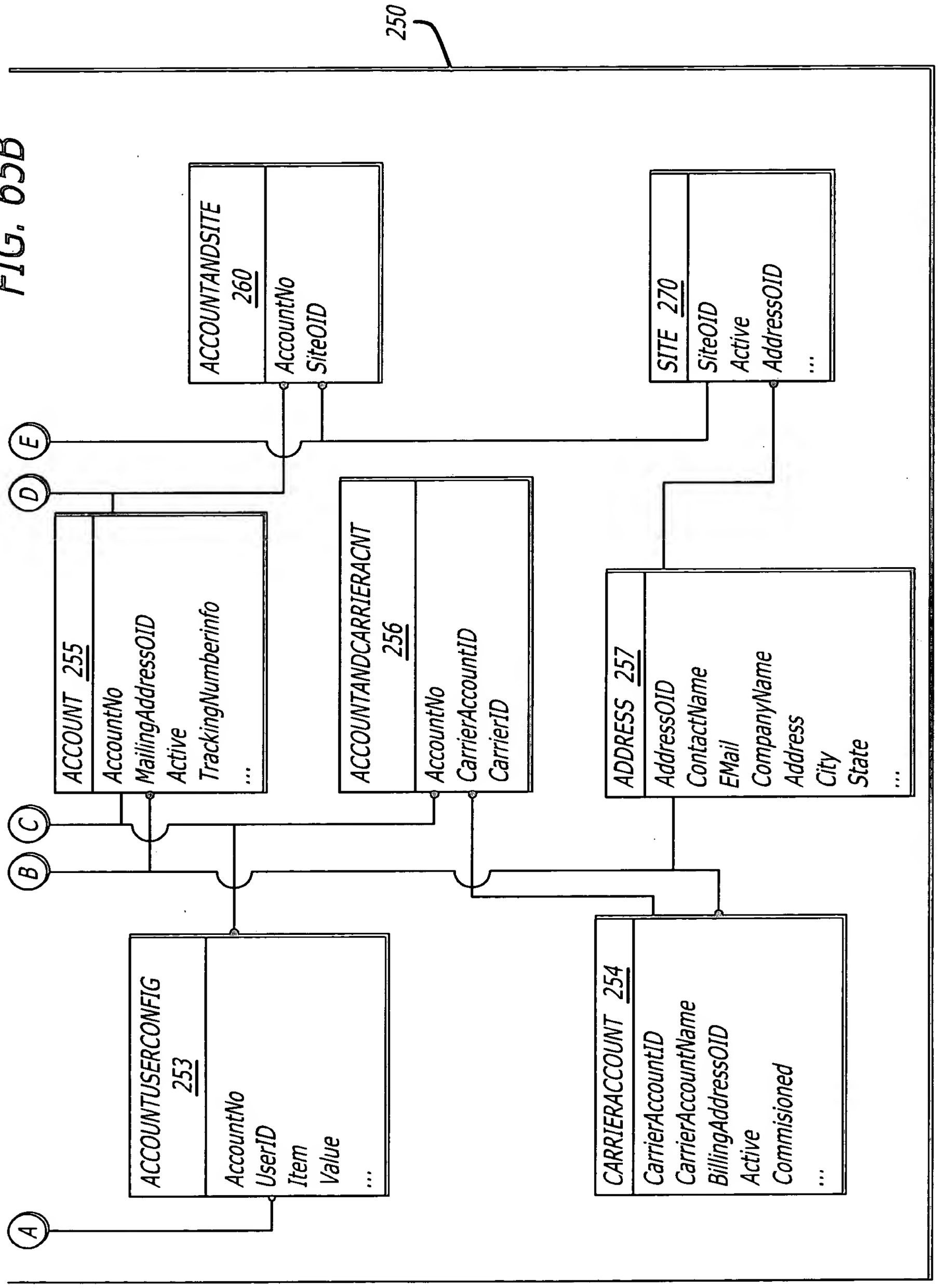

22
System Database
250
SITETYPE 258
SiteTypeID
SiteTypeOID
Description
Name
...
ACCOUNTANDSITETYPE 259
AccountNo
SiteTypeID
PACKAGE 261
Package OID 261-1
WeightActual 261-2
Length 261-3
Width 261-4
Height 261-5
TrackingNo 261-6
SiteTypeID 261-7
SiteOID 261-8
AccountNo 261-9
UserID 261-10
From ContactName 261-11
FromAddress1 261-12
...
TocontactName 261-13
ToAddress1 261-14
...
BillContactName 261-15
BillAddress 1 261-16
...
ACCOUNTUSER 251
AccountNo
UserID
AddressOID
CreateDate
...
USERS 252
UserID
LogOnName
Password
Active
...
A
B
C
D
E

FIG. 65B


250
ACCOUNTANDSITE 260
AccountNo
SiteOID
SITE 270
SiteOID
Active
AddressOID
...
E
D
ACCOUNT 255
AccountNo
MailingAddressOID
Active
TrackingNumberinfo
...
ACCOUNTANDCARRIERACNT 256
AccountNo
CarrierAccountID
CarrierID
ADDRESS 257
AddressOID
ContactName
EMail
CompanyName
Address
City
State
...
C
B
ACCOUNTUSERCONFIG 253
AccountNo
UserID
Item
Value
...
CARRIERACCOUNT 254
CarrierAccountID
CarrierAccountName
BillingAddressOID
Active
Commisioned
...
A

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Address http://www.someaddress.com

iShip.com

Your Tracking information

Status: **IN-TRANSIT** 2071

Last Scan: **There is no record of that mail item. If it was mailed recently,it may not yet be tracked. Please try again later.** 2072

Carrier: **US Postal Service** 2078

Tracking Number: **EJ958088694US** 2080

Status as of Friday, December 3, 1999 10:06:27 AM Pacific Standard Time

Done

Learn More

Would you like to be notified when this package is delivered? 2090

If you provide an E-Mail Address, we will notify you and up to two others that this package has been delivered. You can include a brief message to be sent with the E-Mail.

Your Name: John Doe 2091

Your E-Mail: John@xxxx.com 2092

Name: Steve Smith 2093

E-Mail: Steve@xxxx.com 2094

Name: Jim Jones 2095

E-Mail: Jim@xxxx.com 2096

Message: These are the goodies 2097

Submit 2036-1

Learn More

Track Another Package

Enter tracking number: 2035

Submit 2036-2

Tracking provided for

AIRBORNE EXPRESS | FedEx | UPS

UNITED STATES POSTAL SERVICES | Yellow Freight

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FIG. 72

Replacement Sheet